PROGRAMS OF STUDY

ASSOCIATE IN APPLIED SCIENCE ELECTIVE OPTIONS

Humanities/Fine Arts elective options for A.A.S. programs.

___ ART 111 Art Appreciation (3)
___ ART 114 Art History Survey I (3)
___ ART 115 Art History Survey II (3)
___ ART 116 Survey of American Art (3)

___ DRA 111 Theater Appreciation (3)

___ ENG 131 Intro to Literature (3)
___ ENG 231 American Literature I (3)
___ ENG 232 American Literature II (3)
___ ENG 233 Major American Writers (3)
___ ENG 241 British Literature I (3)
___ ENG 242 British Literature II (3)
___ ENG 243 Major British Writers (3)
___ ENG 261 World Literature I (3)
___ ENG 262 World Literature II (3)

___ HUM 110 Technology and Society (3)
___ HUM 115 Critical Thinking (3)
___ HUM 120 Cultural Studies (3)
___ HUM 121 Nature of America (3)
___ HUM 122 Southern Culture (3)
___ HUM 130 Myth in Human Culture (3)
___ HUM 220 Human Values & Meaning (3)

___ MUS 110 Music Appreciation (3)
___ MUS 112 Intro to Jazz (3)

___ PHI 210 History of Philosophy (3)
___ PHI 215 Philosophical Issues (3)
___ PHI 240 Intro to Ethics (3)

___ REL 110 World Religions (3)
___ REL 211 Intro to Old Testament (3)
___ REL 212 Intro to New Testament (3)
___ REL 221 Religion in America (3)

Social/Behavioral Science elective options for A.A.S. programs.

___ ANT 210 General Anthropology (3)
___ ANT 220 Cultural Anthropology (3)
___ ANT 240 Archaeology (3)

___ ECO 151 Survey of Economics (3)
___ ECO 251 Prin of Microeconomics (3)
___ ECO 252 Prin of Macroeconomics (3)

___ GEO 111 World Regional Geography (3)

___ HIS 121 Western Civilization I (3)
___ HIS 122 Western Civilization II (3)
___ HIS 131 American History I (3)
___ HIS 132 American History II (3)

___ POL 110 Intro Political Science (3)
___ POL 120 American Government (3)

___ PSY 150 General Psychology (3)
___ PSY 237 Social Psychology (3)
___ PSY 239 Psychology of Personality (3)
___ PSY 241 Developmental Psychology (3)
___ PSY 281 Abnormal Psychology (3)

___ SOC 210 Introduction to Sociology (3)
___ SOC 213 Sociology of the Family (3)
___ SOC 220 Social Problems (3)
___ SOC 225 Social Diversity (3)
___ SOC 230 Race & Ethnic Relations (3)
___ SOC 240 Social Psychology (3)

ASSOCIATE IN APPLIED SCIENCE

Programs in career technologies are designed to prepare students with technical competence for immediate employment in business, industry, government, heath fields, agriculture, social services, or as owner-managers of their own firms. In addition, a number of these programs allow students to transfer to four-year schools. For a complete list of the A.A.S. degree programs which will transfer and the schools to which they transfer, contact the Student Development Office.

Accounting
Advertising & Graphic Design
Air Conditioning, Heating, and Refrigeration Technology
Automotive Systems Technology
Business Administration
Community Spanish Interpreter
Computer Information Technology

- Programming
- Networking
- Web Technologies

Construction Management Technology
Cosmetology
Criminal Justice Technology
Early Childhood Associate
Early Childhood: Special Education
Early Childhood: Teacher Associate
Electronics Engineering Technology
General Occupational Technology
Horticulture Technology
Industrial Systems Technology
Machining Technology
Mechanical Drafting Technology
Medical Assisting Technology
Medical Office Administration
Nursing: Associate Degree Nursing (ADN)
Nursing: Associate Degree Nursing (Evening Option) For Licensed Practical Nurses Only (LPN-ADN)
Office Administration (Title change pending NCCCS approval)
Paralegal Technology
Viticulture & Enology Technology

Cooperative Programs

Guilford Technical Community College:	Physical Therapy Assisting
Forsyth Technical Community College:	Dental Hygiene
	Dental Assisting (Diploma)
	Biotechnology
Wake Technical Community College	Simulation and Game Development
Wilkes Community College	Baking and Pastry Arts (pending NCCCS approval)
Wilkes Community College	Culinary Technology (pending NCCCS approval)

DIPLOMA PROGRAMS

Diploma programs prepare students for initial employment in recognized skilled occupations and retrain adults for entering new career fields or advancing in their current fields.

Diploma programs normally require one full year of full-time participation. Most courses are available during both the day and evening hours.

Air Conditioning, Heating & Refrigeration Technology
Autobody Repair
Automotive Systems Technology
Construction Technology: Carpentry
Cosmetology
Electrical/Electronics Technology
Horticulture Technology
Industrial Systems Technology
Machining Technology
Mechanical Drafting Technology
Medical Office Administration
Nursing: General Occupational Technology (Pre-Nursing)
Nursing: Practical Nursing (PN)
Office Systems Technology
Viticulture & Enology
Welding Technology

CERTIFICATE PROGRAMS

Some career technology programs are designed to allow students to receive a certificate after completing a designated set of specific courses. These programs take one year or less to complete. Required courses are generally those which provide specific job-related skills.

Accounting
Advertising & Graphic Design
Autobody Repair
Automotive Systems
Basic HVAC Controls Specialist
Basic HVAC System Designer
Business Administration
Community Spanish Interpreter for Native and Non-Native Speakers
Computer-Assisted Drafting
Computer Information Technology
- Programming
- Networking
- Web Technologies

Computer Programming
Construction Technology: Carpentry
Early Childhood Associate
Electrical/Electronics Technology
Industrial Systems Technology
LPN Refresher
Machining Technology
Medical Office Administration
Office Systems Technology
Real Estate Appraisal
Viticulture & Enology
Web Management
Web Programming
Welding Technology

ACCOUNTING Degree/Certificate

CURRICULUM DESCRIPTION

The Accounting curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting profession. Using the "language of business," accountants assemble and analyze, process, and communicate essential information about financial operations.

In addition to course work in accounting principles, theories, and practice, students will study business law, finance, management, and economics. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies. With work experience and additional education, an individual may advance in the accounting profession.

DISTANCE EDUCATION INFORMATION

This degree program is offered through the Distance Education program. Further information can be found on the Internet at ***http://www.surry.edu/DE*** concerning completing this degree on-line.

ACCOUNTING
CERTIFICATE PROGRAM
C25100

Fall Semester		Lec/	Lab/	Crd.
ACC 120	Accounting I	3	2	4
BUS 110	Intro. to Business	3	0	3
		6	2	7
Spring Semester				
ACC 121	Accounting II	3	2	4
ACC 131	Fed Income Taxes	2	2	3
BUS 125	Personal Finance	3	0	3
		8	4	10

Total Credit Hours **17**

ACCOUNTING
DEGREE
A25100

Fall Semester		Lec	Lab	Crd
ACC 120	Principles of Financial Accounting	3	2	4
ENG 111	Expository Writing	3	0	3
MAT 115	Mathematical Models	2	2	3
OST 131	Keyboarding	1	2	2
BUS 110	Introduction to Business	3	0	3
ECO 151	Survey of Economics (or ECO 251)	3	0	3
ACA 111	College Student Success	1	0	1
		16	6	19
Spring Semester				
ACC 121	Principles of Managerial Accounting	3	2	4
ENG 114	Professional Research and Reporting	3	0	3
BUS 121	Business Math	2	2	3
CIS 110	Introduction to Computers	2	2	3
BUS 125	Personal Finance	3	0	3
PSY 150	General Psychology (or Social Science Elective)	3	0	3
		16	6	19
Fall Semester				
ACC 220	Intermediate Accounting I	3	2	4
ACC 150	Accounting Software Application	1	2	2
BUS 115	Business Law I	3	0	3
CTS 130	Spreadsheet I	2	2	3
	Elective (or COE)	3	0	3
		12	6	15
Spring Semester				
ACC 221	Intermediate Accounting II	3	2	4
ACC 122	Prin of Financial Acct II	3	0	3
ACC 131	Federal Income Taxes	2	2	3
BUS 225	Business Finance	2	2	3
	Humanities/Fine Arts Elective	3	0	3
		13	6	16

Total Credit Hours **69**

ADVERTISING & GRAPHIC DESIGN TECHNOLOGY

Degree

CURRICULUM DESCRIPTION

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession, which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials. Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media. Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

For information contact Susan MacLeod, Coordinator of Advertising & Graphic Design, macleods@surry.edu, 336.386.3329.

GRAPHIC DESIGN
DISTANCE EDUCATION CERTIFICATE*
C30100

Fall Semester		Lec/	Lab/	Crd.
ART 121	Design I	0	6	3
GRA 151	Computer Graphics I	1	3	2
		1	9	5
Spring Semester				
GRD 142	Graphic Design II	2	4	4
GRA 152	Computer Graphics II	1	3	2
		3	7	6
Summer Semester				
GRD 241	Graphic Design III	2	4	4
GRA 153	Computer Graphics III	1	3	2
		3	7	6
Total Credit Hours				**17**

***Courses offered only with adequate enrollment.**

DISTANCE EDUCATION INFORMATION
This degree program is offered through the Distance Education Program.
Further information can be found at ***http://www.surry.edu/DE*** *concerning completing this degree online.*

ADVERTISING & GRAPHIC DESIGN TECHNOLOGY
DEGREE
A30100

Fall Semester		Lec	Lab	Crd
ACA 111	College Student Success	1	0	1
ART 121	Design I	0	6	3
ART 111	Art Appreciation	3	0	3
GRA 151	Computer Graphics I	1	3	2
GRD 110	Typography	2	2	3
ART 131	Drawing I	0	6	3
		7	17	15
Spring Semester				
GRD 142	Graphic Design II	2	4	4
WEB 210	Web Design	2	2	3
GRA 152	Computer Graphics II	1	3	2
GRD 131	Illustration	1	3	2
ART 264	Digital Photography	1	4	3
		7	16	14
Summer Semester				
MAT 140	Survey of Mathematics (or MAT 115)	3	0	3
ENG 111	Expository Writing	3	0	3
		6	0	6
Fall Semester				
GRD 241	Graphic Design III	2	4	4
GRA 153	Computer Graphics III	1	3	2
ENG 112 or 113	Argument or Lit-based Research	3	0	3
	Social Science Elective	3	0	3
	Elective (To be chosen from list)	-	-	3
		9	7	15
Spring Semester				
GRD 242	Graphic Design IV	2	4	4
COE 111	Co-Op Work Experience	0	10	1
GRD 280	Portfolio Design	2	4	4
WEB 120	Intro to Web Multimedia	2	2	3
WEB 140	Web Devlop Tools	2	2	3
		8	22	15
	Total Credit Hours			**65**

List of Electives:

ART 114, ART 115, ART 261, GRD 175, GRD 180, BUS 230, MKT 120 or MKT 220

AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of systems selection and balance and advanced systems. Students may stop at the end of the summer semester and earn a diploma or complete the entire program of study to earn a degree.

AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY
DEGREE
A35100

		Lec/Lab/Crd		
Fall Semester				
AHR 160	Refrigerant Certification	1	0	1
AHR 210	Residential Building Code	1	2	2
AHR 110	Intro to Refrigeration	2	6	5
ELC 112	DC/AC Electricity	3	6	5
AHR 112	Heating Technology	2	4	4
ELC 125	Diagrams and Schematics	1	2	2
ACA 111	College Student Success	1	0	1
CIS 111	Basic PC Literacy	1	2	2
(or CIS 110	Intro to Computers - for transfer	2	2	3)
		12	22	22
		(13	22	23)
Spring Semester				
AHR 113	Comfort Cooling	2	4	4
AHR 114	Heat Pump Technology	2	4	4
AHR 211	Residential Sust Design	2	2	3
ENG 111	Expository Writing	3	0	3
AHR 133	HVAC Servicing	2	6	4
AHR 180	HVACR Cust Relations	1	0	1
AHR 151	HVAC Duct Systems I	1	3	2
		13	19	21
Summer Semester				
MAT 115	Mathematical Models	2	2	3
(or PHY 110 & 110A	Conceptual Physics/Lab	3	2	4)
	Social Science Elective	3	0	3
		5	2	6
		(5	2	7)
Fall Semester				
ELC 128	Intro to PLC	2	3	3
AHR 212	Adv Comf Syst	2	6	4
ENG 114	Prof Research & Report	3	0	3
	Humanities Elective	3	0	3
		10	9	13
Spring Semester				
ELC 228	PLC Applications	2	6	4
WLD 112	Basic Welding Processes	1	3	2
AHR 250	HVAC Syst Diagnostics	0	4	2
		3	13	8
	Total Credit Hours			**72**

AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY — Diploma

CURRICULUM DESCRIPTION

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools and instruments. In addition, the AAS degree covers residential building codes, residential system sizing, and advanced comfort systems.

Diploma graduates should be able to assist in the start up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems. AAS degree graduates should be able to demonstrate an understanding of systems selection and balance and advanced systems. Students may stop at the end of the summer semester and earn a diploma or complete the entire program of study to earn a degree.

AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY
DIPLOMA
D35100

		Lec	Lab	Crd
Fall Semester				
PHY 110/110A	Conceptual Physics/Lab	3	2	4
AHR 110	Intro to Refrigeration	2	6	5
ELC 112	DC/AC Electricity	3	6	5
AHR 112	Heating Technology	2	4	4
ELC 125	Diagrams and Schematics	1	2	2
ACA 111	College Student Success	1	0	1
		12	20	21
Spring Semester				
AHR 113	Comfort Cooling	2	4	4
AHR 114	Heat Pump Technology	2	4	4
ELC 215	Electrical Maintenance	2	3	3
AHR 160	Refrigerant Certification	1	0	1
AHR 210	Residential Bldg. Codes	1	2	2
ENG 101	App. Communications I (or ENG 111)	3	0	3
		11	13	17
Summer Semester				
AHR 212	Advanced Comfort Systems	2	6	4
AHR 250	HVAC System Diagnostics	0	4	2
		2	10	6
	Total Credit Hours			**44**

**** Co-op options available for selected courses.***

AUTO BODY REPAIR — Diploma/Certificate

CURRICULUM DESCRIPTION

The Auto Body Repair curriculum provides training in the use of equipment and materials of the autobody repair trade. The student studies the construction of the automobile body and techniques of autobody repairing, rebuilding, and refinishing.

The course work includes autobody fundamentals, industry overview, and safety. Students will perform hands-on repairs in the areas of nonstructural and structural repairs, MIG welding, plastics and adhesives, refinishing, and other related areas.

Graduates of the curriculum should qualify for entry-level employment opportunities in the automotive body and refinishing industry. Graduates may find employment with franchised independent garages, or they may become self-employed.

AUTOBODY REPAIR
DIPLOMA
D60100

Fall Semester		Lec/Lab/Crd		
AUB 134	Autobody MIG Welding	1	4	3
AUB 121	Nonstructural Damage I	1	4	3
AUB 131	Structural Damage I	2	4	4
AUB 111	Painting and Refinishing I	2	6	4
MAT 101	Applied Math I (or MAT 115)	2	2	3
ACA 111	College Student Success	1	0	1
		9	20	18
Spring Semester				
ENG 101	App. Communications I (or ENG 111)	3	0	3
AUB 112	Painting and Refinishing II	2	6	4
AUB 136	Plastics and Adhesives	1	4	3
AUB 132	Structural Damage II	2	6	4
		8	16	14
Summer Semester				
AUB 122	Non-Structural Damage II	2	6	4
AUB 114	Special Finishes	1	2	2
AUB 162	Autobody Estimating (or COE)	1	2	2
		4	10	8
	Total Credit Hours			**40**

AUTOBODY REPAIR
CERTIFICATE
C60100

Fall Semester		Leb/Lab/Crd		
AUB 121	Nonstructural Damage I	1	4	3
AUB 131	Structural Damage I	2	4	4
AUB 111	Painting and Refinishing I	2	6	4
		5	14	11
Spring Semester				
AUB 112	Painting and Refinishing II	2	6	4
AUB 136	Plastics and Adhesives	1	4	3
		3	10	7
	Total Credit Hours			**18**

AUTOMOTIVE SYSTEMS TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Automotive Systems Technology curriculum prepares individuals for employment as Automotive Service Technicians. It provides an introduction to automotive careers and increases student awareness of the challenges associated with this fast and ever-changing field.

Classroom and lab experiences integrate technical and academic course work. Emphasis is placed on theory, servicing and operation of brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control, and manual drive trains.

Upon completion of this curriculum, students should be prepared to take the ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.

Automotive Service Excellence (ASE)/National Automotive Technicians Education Foundation (NATEF) Certified Master Automotive Training Program

AUTOMOTIVE SYSTEMS TECHNOLOGY DEGREE A60160

		Lec/	Lab/	Crd
Fall Semester				
AUT 116	Engine Repair	2	3	3
AUT 116A	Engine Repair Lab	0	3	1
AUT 110	Intro to Automotive	2	2	3
AUT 186	PC Skills for Auto Techs	2	2	3
ENG 111	Expository Writing	3	0	3
PHY 110 & 110A	Conceptual Physics	3	2	4
ACA 111	College Student Success	1	0	1
		13	12	18
Spring Semester				
AUT 141	Suspension & Steering Systems	2	3	3
AUT 141A	Susp & Steering Syst Lab	0	3	1
AUT 151	Brake Systems	2	3	3
AUT 151A	Brake Systems Lab	0	3	1
AUT 212	Auto Shop Managment	3	0	3
AUT 114	Safety & Emissions	2	0	2
ENG 114	Professional Research & Reporting	3	0	3
		12	12	16
Summer Semester				
AUT 171	Automotive Climate Control	2	4	4
AUT 113	Auto Servicing I (or COE)	0	6	2
		2	10	6
Fall Semester				
AUT 181	Engine Performance I	2	3	3
AUT 181A	Engine Perf I Lab	0	3	1
AUT 183	Engine Performance II	2	6	4
AUT 161	Basic Automotive Electricity	4	3	5
AUT 221	Automatic Transmissions	2	3	3
AUT 221A	Automatic Transmissions Lab	0	3	1
		10	21	17
Spring Semester				
AUT 231	Manual Drive Trains/Axles	2	3	3
AUT 231A	Manual Drive Trains/Axles Lab	0	3	1
AUT 163	Advanced Automotive Electricity	2	3	3
AUT 163A	Adv Automotive Electricity Lab	0	3	1
AUT 283	Advanced Automotive Electronics	2	2	3
	Social Science Elective	3	0	3
	Humanities/Fine Arts	3	0	3
		12	14	17
	Total Credit Hours			**74**

AUTOMOTIVE SYSTEMS TECHNOLOGY

Diploma/Certificate

CURRICULUM DESCRIPTION

The Automotive Systems Technology curriculum prepares individuals for employment as Automotive Service Technicians. It provides an introduction to automotive careers and increases student awareness of the challenges associated with this fast and ever-changing field.

Classroom and lab experiences integrate technical and academic course work. Emphasis is placed on theory, servicing and operation of brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control, and manual drive trains.

Upon completion of this curriculum, students should be prepared to take the ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.

AUTOMOTIVE SYSTEMS TECHNOLOGY
CERTIFICATE
C60160

Fall Semester		Lec/	Lab/	Crd
AUT 116	Engine Repair	2	3	3
AUT 116A	Engine Repair Lab	0	3	1
AUT 110	Intro to Automotive	2	2	3
AUT 186	PC Skills for Auto Tech	2	2	3
		6	10	10
Spring Semester				
AUT 151	Brake Systems	2	3	3
AUT 151A	Brake Systems Lab	0	3	1
AUT 114	Safety & Emissions	2	0	2
		4	6	6
Summer Semester				
AUT 113	Auto Serv I (or COE)	0	6	2
		0	6	2
	Total Credit Hours			**18**

AUTOMOTIVE SYSTEMS TECHNOLOGY
DIPLOMA
D60160

Fall Semester		Lec/	Lab/	Crd
AUT 116	Engine Repair	2	3	3
AUT 116A	Engine Repair Lab	0	3	1
AUT 110	Intro to Automotive	2	2	3
AUT 186	PC Skills for Auto Techs	2	2	3
MAT 101	Applied Mathematics	2	2	3
		8	12	13
Spring Semester				
AUT 141	Suspension & Steering Systems	2	3	3
AUT 141A	Susp & Steering Syst Lab	0	3	1
AUT 151	Brake Systems	2	3	3
AUT 151A	Brake Systems Lab	0	3	1
AUT 114	Safety & Emissions	1	2	2
ENG 101	App. Communications I (or ENG 111)	3	0	3
		9	14	13
Summer Semester				
AUT 171	Automotive Climate Control	2	4	4
AUT 113	Auto Servicing I (or COE)	0	6	2
		2	10	6
Fall Semester				
AUT 181	Engine Performance I	2	3	3
AUT 181A	Engine Perf I Lab	0	3	1
AUT 183	Engine Performance II	2	6	4
AUT 161	Basic Automotive Electricity	4	3	5
		8	15	13
	Total Credit Hours			**45**

BUSINESS ADMINISTRATION Degree/Certificate

CURRICULUM DESCRIPTION

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team-building, and decision making.

Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

DISTANCE EDUCATION INFORMATION

This degree program is offered through the Distance Education program. Further information can be found on the Internet at ***http://www.surry.edu/DE*** concerning completing this degree on-line.

BUSINESS ADMINISTRATION
CERTIFICATE
C25120

Fall Semester		Lec/	Lab/	Crd
BUS 121	Business Math	2	2	3
BUS 151	People Skills	3	0	3
BUS 137	Prin. of Mgmt	3	0	3
		8	2	9
Spring Semester				
OST 131	Keyboarding	1	2	2
BUS 110	Intro. to Business	3	0	3
ACC 120	Financial Accounting	3	2	4
		7	4	9
	Total Credit Hours			**18**

BUSINESS ADMINISTRATION
DEGREE
A25120

Fall Semester		Lec/	Lab/	Crd
ACC 120	Principles of Financial Accounting	3	2	4
BUS 151	People Skills	3	0	3
ENG 111	Expository Writing	3	0	3
MAT 115	Mathematical Models	2	2	3
OST 131	Keyboarding	1	2	2
ECO 151	Survey of Economics (or ECO 251)	3	0	3
ACA 111	College Student Success	1	0	1
		16	6	19
Spring Semester				
ACC 121	Principles of Managerial Accounting	3	2	4
BUS 110	Intro. to Business	3	0	3
ENG 114	Professional Research & Reporting	3	0	3
BUS 125	Personal Finance	3	0	3
CIS 110	Introduction to Computers	2	2	3
PSY 150	General Psychology (or Social Science Elective)	3	0	3
		17	4	19
Fall Semester				
BUS 115	Business Law I	3	0	3
MKT 120	Principles of Marketing	3	0	3
BUS 121	Business Math	2	2	3
ACC 150	Accounting Software Application	1	2	2
BUS 137	Principles of Management	3	0	3
CTS 130	Spreadsheet I	2	2	3
	Elective (or COE)	3	0	3
		17	6	20
Spring Semester				
BUS 116	Business Law II	3	0	3
ACC 131	Federal Income Tax	2	2	3
BUS 225	Business Finance	2	2	3
BUS 260	Business Communications	3	0	3
BUS 230	Small Business Management	3	0	3
	Humanities/Fine Arts Elective	3	0	3
		16	4	18
	Total Credit Hours			**76**

**** Co-op options available for selected courses.***

COMMUNITY SPANISH INTERPRETER Degree/Certificate

CURRICULUM DESCRIPTION

The Community Spanish Interpreter curriculum prepares individuals to work as entry-level Spanish Interpreters who will provide communication access in interview and interactive settings. In addition, this curriculum provides in-service training for working interpreters who want to upgrade their skills.

Course work includes the acquisition of Spanish grammar, structure, and sociolinguistic properties, cognitive processes associates with interpretation between Spanish and English: the structure and character of the Spanish speaking community; and acquisition of consecutive and simultaneous interpreting skills.

Entry-level jobs for para-professional interpreters are available in educational systems or a variety of community settings individuals may choose from part-time, full-time, or self-employment/free-lance positions or apply language skills to other human service related areas.

For more information:
Contact Loida Peterson, Coordinator, Community Spanish Interpreter Program.
Phone: (336.386.3484)
Email: petersl@surry.edu
Office: J314

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There are two possible certificate tracks for the student, one track is for native English speakers and the other is for native Spanish speakers.

A prerequisite of this certificate program is showing proficiency at the Intermediate Spanish II level as determined by testing or successful completion of SPA 212.

NATIVE SPANISH SPEAKER - C55370

		Lec/	Lab/	Crd
ENG 111	Expository Writing	3	0	3
SPA 120	Spanish for the Workplace	3	0	3
ENG 138	English Grammar	3	0	3
SPI 113	Intro to Spanish Inter.	3	0	3
SPI 114	Ana. Skills Spanish Inter.	3	0	3
SPI 214	Intro to Translation	3	0	3
	Total Credit Hours			**18**

NATIVE ENGLISH SPEAKER - C55370

		Lec/	Lab/	Crd
SPA 120	Spanish for the Workplace	3	0	3
SPA 231	Read & Composition	3	0	3
SPI 113	Intro to Spanish Inter.	3	0	3
SPI 114	Ana. Skills Spanish Inter.	3	0	3
SPI 213	Review of Grammar	3	0	3
SPI 214	Intro to Translation	3	0	3
	Total Credit Hours			**18**

COMMUNITY SPANISH INTERPRETER
DEGREE
A55370

Students must demonstrate proficiency in SPA 11 and SPA 112 before entering the program.

SPA 111	**Elementary Spanish I**	**3**	**0**	**3**
SPA 112	**Elementary Spanish II**	**3**	**0**	**3**

Fall Semester		Lec/	Lab/	Crd
ENG 111	Expository Writing	3	0	3
MAT 140	Survey of Mathematics	3	0	3
SPA 211	Intermediate Spanish I	3	0	3
SPA 181	Spanish Lab I	0	2	1
ACA 111	College Student Success	1	0	1
SPA 141	Culture and Civilization	3	0	3
SPA 120	Spanish for the Workplace	3	0	3
		16	2	17
Spring Semester				
SPA 212	Intermediate Spanish II	3	0	3
SPA 182	Spanish Lab II	0	2	1
SPI 113	Intro to Spanish Interpretation	3	0	3
SPI 114	Ana. Skills Spanish Interpreting	3	0	3
ART/HUM	Humanities/Fine Arts elective	3	0	3
		12	2	13
Fall Semester				
SPA 281	Spanish Lab III	0	2	1
SPI 213	Review of Grammar	3	0	3
SPI 214	Introduction to Translation	3	0	3
SPA 215	Sp Phonetics & Structure of Lang	3	0	3
SPI 245*	Community Interpreting I ***or***	2	3	3
	ENG 138 English Grammar	3	0	3
COE 111	Co-op Work Experience I	0	10	1
ENG 115	Oral Communication ***or***			
COM 231	Public Speaking	3	0	3
		14 or 15	12 or 15	17
Spring Semester				
SPA 221	Spanish Conversation	3	0	3
SPA 282	Spanish Lab IV	0	2	1
SPA 231	Reading and Composition	3	0	3
COE 115	Work Experience Seminar I	1	0	1
SPA 161	Cultural Immersion	2	3	3
ANT 220	Cultural Anthropology	3	0	3
		12	5	14
	Total Credit Hours			**67**

Note: A short-term study abroad cultural immersion seminar is a requirement of this degree.

****Dependent on advisor's required recommendation.***

COMPUTER INFORMATION TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Computer Information Technology curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information systems needs.

Course work will develop a student's ability to communicate complex technical issues related to computer hardware, software, and networks in a manner that computer users can understand. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams.

COMPUTER INFORMATION TECHNOLOGY
DEGREE
A25260

		Lec	Lab	Crd
Fall Semester				
ACA 111	College Student Success	1	0	1
CIS 110	Introduction to Computers	2	2	3
CIS 115	Introduction to Programming & Logic	2	3	3
ENG 111	Expository Writing	3	0	3
MAT 145	Analytical Math	3	0	3
NOS 110	Operating Systems Concepts	2	3	3
		13	8	16
Spring Semester				
CTS 120	Hardware/Software Support	2	3	3
DBA 110	Database Concepts	2	3	3
ENG 114	Prof Research & Reporting	3	0	3
NET 125	Networking Basics	1	4	3
NOS 130	Windows Single User	2	2	3
SEC 110	Security Concepts	3	0	3
		13	12	18
Summer Semester				
	Humanities/Fine Arts Elective	3	0	3
	Social Science Elective	3	0	3
		6	0	6
Fall Semester				
CTS 285	Systems Analysis & Design	3	0	3
NOS 230	Windows Admin I	2	2	3
	CIT Elective	2	2	3
	CIT Elective	2	2	3
	CIT Elective	2	2	3
		11	8	15
Spring Semester				
BUS 110	Intro to Business	3	0	3
CTS 289	System Support Project	1	4	3
	CIT Elective	2	2	3
	CIT Elective	2	2	3
	CIT Elective or COE	2	2	3
		10	10	15
	Total Credit Hours			**70**

COMPUTER INFORMATION TECHNOLOGY Certificates

COMPUTER INFORMATION TECHNOLOGY CERTIFICATE C25260

Fall Semester		Lec	Lab	Crd
CIS 110	Introduction to Computers	2	2	3
NOS 110	Operating Systems Concepts	2	3	3
SEC 110	Security Concepts	3	0	3
		7	5	9
Spring Semester				
WEB 210	Web Design	2	2	3
CTS 130	Spreadsheet	2	2	3
DBA 110	Database Concepts	2	3	3
		6	7	9

Total Credit Hours 18

COMPUTER PROGRAMMING CERTIFICATE C25130

Fall Semester		Lec	Lab	Crd
CSC 139	Visual Basic Programming	2	3	3
CSC 134	C++ Programming	2	3	3
WEB 115	Web Markup and Scripting	2	2	3
	(or CSC 148 Java)	2	3	3
		6	9	9
Spring Semester				
CSC 234	Advanced C++	2	3	3
CSC 239	Advanced Visual Basic	2	3	3
WEB 215	Adv Markup & Scripting	2	3	3
	(or DBA 120 Database Prog I)	2	2	3
		6	9	9

Total Credit Hours 18

NETWORKING TECHNOLOGIES CERTIFICATE C25340

Fall Semester		Lec	Lab	Crd
NET 125	Networking Basics	1	4	3
NOS 110	Operating Systems Concepts	2	3	3
SEC 110	Securities Concepts	3	0	3
		6	7	9
Spring Semester				
NOS 120	Linux/Unix Single User	2	2	3
NOS 130	Windows Single User	2	2	3
NET 126	Routing Basics	1	4	3
		5	8	9

Total Credit Hours 18

WEB TECHNOLOGIES CERTIFICATE C25290

Fall Semester		Lec	Lab	Crd
NET 125	Networking Basics	1	4	3
WEB 115	Web Markup & Scripting	2	2	3
SEC 110	Securities Concepts	3	0	3
		6	6	9
Spring Semester				
WEB 120	Intro to Internet Multimedia	2	2	3
WEB 140	Web Development Tools	2	2	3
WEB 210	Web Design	2	2	3
		6	6	9

Total Credit Hours 18

CONSTRUCTION MANAGEMENT TECHNOLOGY
Degree

CURRICULUM DESCRIPTION

This curriculum is designed to prepare individuals for careers in the construction management field. Such positions may include project manager, superintendent, estimator, or foreman.

Course work includes safety, planning, scheduling, cost control, productivity, human relations, estimating, and building codes. Students will also gain proficiency in specific construction related skills.

Graduates should qualify for entry-level positions in the field of construction management.

CARPENTRY CERTIFICATE

		Lec/	Lab/	Crd
Core Program Hours				**61**
*CST 110	Intro to Construction			
CAR 111	Carpentry I	3	15	8
CAR 112	Carpentry II	3	15	8
Total Semester Hour Credits				**77**

ELECTRICAL CERTIFICATE

		Lec/	Lab/	Crd
Core Program Hours				**61**
ELC 112	DC/AC Electricity	3	6	5
ELC 113	Basic Wiring I	2	6	4
ELC 125	Diagrams & Schematics	1	2	2
Total Semester Hour Credits				**72**

BUSINESS MANAGEMENT CERTIFICATE

		Lec/	Lab/	Crd
Core Program Hours				**61**
*BUS 110	Intro to Business			
*ACC 120	Financial Accounting			
BUS 151	People Skills	3	0	3
BUS 137	Prin of Management	3	0	3
BUS 121	Business Math	2	2	3
Total Semester Hour Credits				**70**

Courses taken in program core

CONSTRUCTION MANAGEMENT TECHNOLOGY DEGREE A35190

Fall Semester		Lec/	Lab/	Crd
ACA 111	College Student Success	1	0	1
CAR 111	Carpentry I	3	15	8
CST 110	Intro to Construction	1	2	2
ENG 111	Expository Writing	3	0	3
Major Elective	(To be taken from certificate options)	3	0	3
		11	17	17
Spring Semester				
BPR 130	Blueprint Reading/Construction	1	2	2
BUS 110	Introduction to Business	3	0	3
CMT 210	Prof Construction Supervision	3	0	3
MAT 121	Algebra/Trigonometry I	2	2	3
CAR 115	Residential Planning/Estimating	3	0	3
Major Elective	(To be taken from certificate options)	3	0	3
		15	4	17
Summer Semester				
ENG 114	Prof Research and Report Writing	3	0	3
	Social Sciences Elective	3	0	3
	Humanities Elective	3	0	3
		9	0	9
Fall Semester				
ACC 120	Principles of Financial Acct	3	2	4
CIS 111	Basic PC Literacy	1	2	2
CMT 212	Total Safety Performance	3	0	3
CMT 214	Planning and Scheduling	3	0	3
		10	4	12
Spring Semester				
CIV 230	Construction Estimating	2	3	3
CMT 216	Cost and Productivity	3	0	3
CMT 218	Human Relations Issues	3	0	3
SPA 120	Spanish in the Workplace	3	0	3
		11	3	12
	Total Credit Hours			**67**

CONSTRUCTION TECHNOLOGY:
CARPENTRY — Diploma/Certificate

CURRICULUM DESCRIPTION

The Carpentry curriculum is designed to train students to construct residential structures using standard building materials and hand and power tools. Carpentry skills and a general knowledge of residential construction will also be taught.

Course work includes footings and foundations, framing, interior and exterior trim, cabinetry, blueprint reading, residential planning and estimating, and other related topics. Students will develop skills through hands-on participation.

Graduates should qualify for employment in the residential building construction field as rough carpenters, framing carpenters, roofers, maintenance carpenters, and other related job titles.

CONSTRUCTION TECHNOLOGY: CARPENTRY
CERTIFICATE
C35180

Fall Semester				
CAR 111	Carpentry I	3	15	8
	Program Elective			
Spring Semester				
CAR 112	Carpentry II	3	15	8
		7	32	18
	Total Credit Hours			**18**

CONSTRUCTION TECHNOLOGY: CARPENTRY
DIPLOMA
D35180

		Lec	Lab/	Crd
Fall Semester				
CAR 110	Intro to Carpentry	2	0	2
CAR 111	Carpentry I	3	15	8
BPR 130	Blueprint Reading/Construction	1	2	2
MAT 101	Applied Mathematics I (or MAT 115)	2	2	3
ACA	Elective	1	0	1
		9	21	16
Spring Semester				
CAR 112	Carpentry II	3	15	8
CAR 115	Residential Planning/Estimating	3	0	3
ENG 101	App. Communications I (or ENG 111)	3	0	3
	*Program Elective (See list below)	__	__	3
		9+	15+	17
Summer Semester				
CAR 113	Carpentry III	3	9	6
	*Program Elective (See list below)	_	_	2
		3+	9+	8

*PROGRAM ELECTIVES: Students may choose a minimum of five (5) semester hours from the following list of courses:

CAR 114	Residential Building Codes	3	0	3
MAS 140	Introduction to Masonry	1	2	2
CAB 111	Cabinetmaking I	4	9	7
CST 251	Electrical Wiring Systems	2	2	3
PLU 111	Introduction to Basic Plumbing	1	3	2
COE 112	Co-op Work Experience I	00/(20)		2
DFT 115	Architectural Drafting	1	2	2
PLU 110	Modern Plumbing	4	15	9
CIS 110	Introduction to Computers	2	2	3
CST 110	Intro to Construction	1	2	2
	Total Credit Hours			**41**

**** Co-op options available for selected courses.***

COSMETOLOGY Degree/Diploma

CURRICULUM DESCRIPTION

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and related businesses.

Note: High school diploma or GED required for admittance to the diploma program.

COSMETOLOGY
DIPLOMA
D55140

		Lec/	Lab/	Crd
Fall Semester				
COS 111	Cosmetology Conc. I	4	0	4
COS 112	Salon I	0	24	8
PSY 118	Interpersonal Psychology	3	0	3
ACA 111	College Student Success	1	0	1
		8	24	16
Spring Semester				
COS 113	Cosmetology Conc. II	4	0	4
COS 114	Salon II	0	24	8
ENG 101	App. Comm I (or ENG 111)	3	0	3
		7	24	15
Summer Semester				
COS 115	Cosmetology Conc. III	4	0	4
COS 116	Salon III	0	12	4
		4	12	8
Fall Semester				
COS 117	Cosmetology Conc. IV	2	0	2
COS 118	Salon IV	0	21	7
		2	21	9
	Total Credit Hours			**48**

COSMETOLOGY
DEGREE
A55140

		Lec/	Lab/	Crd
Fall Semester				
COS 111	Cosmetology Concepts I	4	0	4
COS 112	Salon I	0	24	8
ACA 111	College Student Success	1	0	1
CIS 111	Basic PC Literary	1	2	2
PSY 118	Interpersonal Psychology	3	0	3
		9	26	18
Spring Semester				
COS 113	Cosmetology Concepts II	4	0	4
COS 114	Salon II	0	24	8
COS 223	Contemporary Haircoloring	1	3	2
ENG 111	Expository Writing	3	0	3
		8	27	17
Summer Semester				
COS 115	Cosmetology Concepts III	4	0	4
COS 116	Salon III	0	12	4
MAT 115	Mathematical Models	2	2	3
		4	14	11
Fall Semester				
COS 117	Cosmetology Concepts IV	2	0	2
COS 118	Salon IV	0	21	7
COS 240	Contemporary Design	1	3	2
COS 119	Esthetics Concepts I	2	0	2
COS 125	Esthetics Concepts II	2	0	2
BUS 151	People Skills	3	0	3
		10	24	18
Spring Semester				
COS 260	Design Applications	1	3	2
COS 224	Trichology & Chemistry	1	3	2
ENG 114	Prof Research & Report	3	0	3
	Humanities Elective	3	0	3
		8	6	10
	Total Credit Hours			**74**

All diploma- and degree-seeking Cosmetology students must take a placement test upon entering the Cosmetology Program. This testing will enable proper academic advising for students who wish to qualify for the North Carolina State Board of Cosmetic Arts Examination.

CRIMINAL JUSTICE TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security service. The criminal justice system's role within society will be explored.

Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Students successfully completing a Basic Law Enforcement Training course accredited by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission will receive credit for CJC 131, CJC 132, CJC 221, and CJC 231 toward the Associate in Applied Science degree in Criminal Justice Technology. Students must have successfully passed the Commissions' comprehensive certification examination. Students must have completed Basic Law Enforcement Training since 1985.

For information contact Dawn Stanley, Program Coordinator of Criminal Justice Technologies at stanleyd@surry.edu or 336.386.3342. Office: J106

DISTANCE EDUCATION INFORMATION
This degree program is offered through the Distance Education program.
Further information can be found on the Internet at
http://www.surry.edu/DE
concerning completing this degree on-line.

CRIMINAL JUSTICE TECHNOLOGY
DEGREE
A55180

Fall Semester		**Lec/**	**Lab/**	**Crd**
ENG 111	Expository Writing	3	0	3
PSY 150	General Psychology	3	0	3
CJC 111	Introduction to Criminal Justice	3	0	3
CJC 112	Criminology	3	0	3
CIS 110	Introduction to Computers	2	2	3
ACA 111	College Student Success	1	0	1
		15	2	16
Spring Semester				
ENG 114	Professional Research & Reporting	3	0	3
MAT 115	Mathematical Models	2	2	3
SOC 210	Introduction to Sociology **or**			
SOC 220	Social Problems	3	0	3
CJC 113	Juvenile Justice	3	0	3
CJC 131	Criminal Law	3	0	3
PSY 246	Adolescent Psychology **or**			
PSY 241	Developmental Psychology	3	0	3
		17	2	18
Fall Semester				
CJC 121	Law Enf. Operations (or COE)	3	0	3
POL 120	American Government	3	0	3
CJC 141	Corrections (or COE)	3	0	3
CJC 132	Court Procedure & Evidence	3	0	3
CJC 231	Constitutional Law	3	0	3
		15	0	15
Spring Semester				
PSY 281	Abnormal Psychology	3	0	3
SOC 230	Race & Ethnic Relations	3	0	3
CJC 215	Organization & Administration	3	0	3
CJC 212	Ethics & Community Relations	3	0	3
CJC 221	Investigative Principles	3	2	4
	Humanities Elective	3	0	3
		18	2	19
	Total Credit Hours			**68**

*COE may substitute for CJC 121, CJC 141, or CJC 215.

EARLY CHILDHOOD ASSOCIATE — Degree/Certificate

CURRICULUM DESCRIPTION

The Early Childhood Associate curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school age programs.

For information contact Lisa Mabe, Director of Early Childhood Education, at mabel@surry.edu or 336.386.3272. Office: J218

INFANT/TODDLER CARE CERTIFICATE C55290

		Lec	Lab	Crd
EDU 119	Intro Early Childhd Ed.	4	0	4
EDU 144	Child Dev. I	3	0	3
EDU 131	Child, Family, & Comm.	3	0	3
EDU 153	Health, Safety, Nutrition	3	0	3
EDU 234	Infants, Toddlers, & Twos	3	0	3
		16	0	16

EARLY CHILDHOOD ASSOCIATE CERTIFICATE C55220

		Lec	Lab	Crd
EDU 119	Intro Early Childhd Ed.	4	0	4
EDU 131	Child., Family, & Comm.	3	0	3
EDU 146	Child Guidance	3	0	3
COE 111	Co-op Work Exp. I	0	10	1
EDU 144	Child Dev. I	3	0	3
		13	10	14

EARLY CHILDHOOD ASSOCIATE DEGREE A55220

Fall Semester

ENG 111	Expository Writing	3	0	3
ACA 111	College Student Success	1	0	1
PSY 150	General Psychology	3	0	3
EDU 119	Intro. to Early Childhood Education	4	0	4
EDU 144	Child Development I	3	0	3
SOC 210	Intro to Sociology	3	0	3
		17	0	17

Spring Semester

ENG 112	Argument-Based Research (or ENG 113 or ENG 114)	3	0	3
EDU 131	Children, Family, & Community	3	0	3
EDU 146	Child Guidance	3	0	3
EDU 145	Child Development II	3	0	3
EDU 151	Creative Activities	3	0	3
COM 231	Public Speaking	3	0	3
		18	0	18

Fall Semester

PHI 240	Introduction to Ethics	3	0	3
EDU 221	Children with Exceptional Needs	3	0	3
EDU 261	Early Childhood Adm. I (or elective)	3	0	3
EDU 280	Language & Literacy Exp.	3	0	3
MAT 140	Survey of Math (or MAT 141)	3	0	3
EDU 271	Educational Technology	3	0	3
		18	0	18

Spring Semester

EDU 259	Curriculum Planning	3	0	3
EDU 262	Early Childhood Adm II (or elective)	3	0	3
COE 111	Cooperative Education	0	0/10	1
EDU 185	Cognitive and Language Act.	3	0	3
EDU 252	Math & Science Act	3	0	3
EDU 234	Infants, Toddlers, and Twos	3	0	3
EDU 153	Health, Safety & Nutrition	3	0	3
		18	10	19

Total Credit Hours **72**

****Courses offered only with adequate enrollment.***

DISTANCE EDUCATION INFORMATION

This degree program is offered through the Distance Education program.
Further information can be found on the Internet at
http://www.surry.edu/DE
concerning completing this degree on-line.

EARLY CHILDHOOD ASSOCIATE:
SPECIAL EDUCATION CONCENTRATION — Degree

CURRICULUM DESCRIPTION

The Special Education concentration is under the curriculum of Early Childhood Associate. This curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories in actual settings with young under the supervision of qualified teachers. The Special Education concentration focuses on preparing adults to work in inclusive environments, including public and private early care and preschool settings as well as public and private primary and/or elementary schools. Graduates demonstrate competence in assessing children and implementing appropriate learning experiences for children with exceptionalities, including writing and implementing Individual Family Service Plans (IFSP) and Individual Education Plans (IEP).

Course work includes childhood growth and development, physical/nutritional needs of children, care and guidance of children, and communication skills with parents and children. Students will foster cognitive/ language, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and childcare programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

For information contact Lisa Mabe, Director of Early Childhood Education, at mabel@surry.edu or 336.386.3272. Office: J218

EARLY CHILDHOOD ASSOCIATE:
SPECIAL EDUCATION CONCENTRATION
A5522A

		Lec	Lab	Crd
Fall Semester				
EDU 119	Early Childhood Education	4	0	4
ACA 111	College Student Success	1	0	1
EDU 144	Child Development I	3	0	3
PSY 150	General Psychology	3	0	3
ENG 111	Expository Writing	3	0	3
EDU 147	Behavior Disorders	3	0	3
		17	0	17
Spring Semester				
EDU 145	Child Development II	3	0	3
EDU 151	Creative Activities	3	0	3
EDU 131	Child Family Community	3	0	3
EDU 148	Learning Disabilities	4	2	5
ENG 112	Argument Based Research	3	0	3
		16	2	17
Fall Semester				
EDU 221	Children with Exceptional Needs	3	0	3
EDU 271	Educational Technology	2	2	3
EDU 280	Language & Literacy Experiences	3	0	3
MAT 140	Survey of Math	3	0	3
PHI 240	Intro to Ethics	3	0	3
		14	2	15
Spring Semester				
EDU 248	Mental Retardation	2	2	3
EDU 247	Physical Disabilities	3	0	3
EDU 216	Foundations of Education	3	2	4
EDU 153	Health Safety Nutrition	3	0	3
COE 111	Co-op Work Experience I	0	10	1
EDU 146	Child Guidance	3	0	3
COM 231	Public Speaking	3	0	3
		17	14	20

Total Credit Hours **69**

****Courses offered only with adequate enrollment.***

DISTANCE EDUCATION INFORMATION
This degree program is offered through the Distance Education program.
Further information can be found on the Internet at
http://www.surry.edu/DE
concerning completing this degree on-line.

EARLY CHILDHOOD ASSOCIATE:

TEACHER ASSOCIATE CONCENTRATION Degree/Certificate

CURRICULUM DESCRIPTION

Teacher Associate is a concentration under the curriculum title of Early Childhood Associate. This curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes childhood growth and development, physical/nutritional needs of children, care and guidance of children, and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

For information contact Lisa Mabe, Director of Early Childhood Education, at mabel@surry.edu or 336.386.3272. Office: J218

EARLY CHILDHOOD ASSOCIATE
TEACHER ASSOCIATE CERTIFICATE
C5522B

Fall Semester		Lec/	Lab/	Crd
EDU 216	Foundations of Educ.	3	2	4
EDU 146	Child Guidance	3	0	3
EDU 145	Child Dev. II	3	0	3
EDU 275	Effective Teacher Train	2	0	2
EDU 271	Educational Technology	3	0	3
COE 111	Co-op Work Exp. I	0	10	1
		14	12	16

EARLY CHILDHOOD ASSOCIATE:
TEACHER ASSOCIATE CONCENTRATION
A5522B

Fall Semester		Lab/	Lec/	Crd
ENG 111	Expository Writing	3	0	3
ACA 111	College Student Success	1	0	1
PSY 150	General Psychology	3	0	3
EDU 119	Intro. to Early Childhood Edu.	4	0	4
EDU 118	Teacher Associate	3	0	3
EDU 144	Child Development I (or PSY 244)	3	0	3
		17	0	17
Spring Semester				
ENG 112	Argument-Based Research (or ENG 113 or ENG 114)	3	0	3
EDU 131	Children, Family, & Community	3	0	3
EDU 186	Reading and Writing Methods	3	0	3
EDU 145	Child Development II	3	0	3
EDU 146	Child Guidance	3	0	3
COE 111	Co-op Work Experience I	0	10	1
EDU 151	Creative Activities	3	0	3
		18	10	19
Fall Semester				
PHI 240	Introduction to Ethics	3	0	3
EDU 221	Children with Exceptional Needs	3	0	3
MAT 141	Mathematical Concepts I	3	0	3
EDU 271	Educational Technology	3	0	3
EDU 280	Language and Literacy Exp.	3	0	3
COE 121	Co-op Work Experience II	0	10	1
SOC 210	Introduction to Sociology	3	0	3
		18	10	19
Spring Semester				
EDU 275	Effective Teacher Training	2	0	2
EDU 285	Internship Exp.-School Age	1	0	1
EDU 235	School Age Develop. & Programs	2	0	2
PSY 263	Educational Psychology	3	0	3
EDU 216	Foundations of Education	3	2	4
COM 231	Public Speaking	3	0	3
EDU 153	Health, Safety & Nutrition	3	0	3
		17	2	18

Total Credit Hours **73**

****Courses offered only with adequate enrollment.***

ELECTRICAL/ELECTRONICS TECHNOLOGY

Diploma/Certificate

CURRICULUM DESCRIPTION

The Electrical/Electronics Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical/electronic systems found in residential, commercial, and industrial facilities.

Training, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, digital electronics, programmable logic controllers, industrial motor controls, and National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical/electronics field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical/electronic systems.

ELECTRICAL/ELECTRONICS TECHNOLOGY
CERTIFICATE
C35220

Fall Semester				
ELC 112	DC/AC Electricity	3	6	5
ELC 125	Diagrams & Schematics	1	2	2
ELC 113	Basic Wiring I	2	6	4
		6	14	11
Spring Semester				
*Program Elective				3
Total Credit Hours				**14**

***Program Electives:** Choose a minimum of three (3) semester hours from the following list of courses:

ELC 114	Basic Wiring II	2	6	4
ELC 118	Nat. Elect. Code	1	2	1
MNT 110	Intro to Maint Proc	1	3	2
ELC 121	Electrical Estimating	1	2	2
ISC 112	Industrial Safety	2	0	2

ELECTRICAL/ELECTRONICS TECHNOLOGY
DIPLOMA
D35220

		Lec/	Lab/	Crd
Fall Semester				
ELC 125	Diagrams & Schematics	1	2	2
ELC 112	DC/AC Electricity	3	6	5
ENG 101	App. Communications I (or ENG 111)	3	0	3
ELC 113	Basic Wiring I	2	6	4
ACA 111	College Student Success	1	0	1
		10	14	15
Spring Semester				
ELC 114	Basic Wiring II	2	6	4
ELC 118	National Electric Code	1	2	2
MAT 101	Applied Math I (or MAT 115)	2	2	3
MNT 110	Intro to Maint Procedures	1	3	2
	COE Elective	0	20	2
ELC 121	Electrical Estimating	1	2	2
		7	35	15
Summer Semester				
ELC 117	Motors and Controls	2	6	4
ELC 115	Industrial Wiring	2	6	4
ISC 112	Industrial Safety	2	0	2
		6	12	10
Total Credit Hours				**40**

ELECTRONICS ENGINEERING TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/ computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the students' ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

ELECTRONICS ENGINEERING TECHNOLOGY
DEGREE
A40200

		Lec/	Lab/	Crd
Fall Semester				
ACA 111	College Student Success	1	0	1
CIS 111	Basic PC Literacy	1	2	2
ELC 125	Diagrams and Schematics	1	2	2
ELC 131	DC/AC Circuit Analysis	4	3	5
ENG 111	Expository Writing	3	0	3
MAT 121	Algebra/Trigonometry I	2	2	3
		12	9	16
Spring Semester				
ELN 131	Semiconductor Applications	3	3	4
ELN 133	Digital Electronics	3	3	4
ENG 114	Prof. Research & Reporting	3	0	3
MAT 122	Algebra/Trigonometry II	2	2	3
PHY 131	Physics-Mechanics	3	2	4
		14	10	18
Summer Semester				
ELC 117	Motors and Controls	2	6	4
	Social Science Elective	3	0	3
		5	6	7
Fall Semester				
ELC 128	Intro to PLC	2	3	3
ELN 132	Linear IC Applications	3	3	4
ELN 232	Introduction to Microprocessors	3	3	4
ELN 152	Fabrication Techniques (or COE)	1	3	2
		9	12	13
Spring Semester				
ATR 280	Robotic Fundamentals	3	2	4
DFT 151	CAD I	2	3	3
ELC 228	PLC Applications	2	6	4
ELN 246	Cert. Elect. Tech. Prep.	3	0	3
	Humanities/Fine Arts Elective	3	0	3
		13	11	17
	Total Credit Hours			**71**

**** Co-op options available for selected courses.***

GENERAL OCCUPATIONAL TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade their skills and to earn an associate degree by taking courses suited for their occupational interests and/or needs. The curriculum content will be individualized for students according to their occupational interests and needs and local businesses and industries are encouraged to design programs to meet their employees specific needs. A program of study for each student will be selected from associate degree-level courses (all courses except those numbered 100-109 and 200-209) offered by the College. Graduates will become effective workers, better qualified for advancements within the field of employment, and become qualified for a wide range of entry-level employment opportunities.

Note: Students must ask the registrar to complete a GOT Degree Program of Study Form for them prior to the semester in which they plan to graduate.

GENERAL OCCUPATIONAL TECHNOLOGY
DEGREE
A55280

		Lec/Lab/Crd		
General Education Courses				
ENG 111	Expository Writing	3	0	3
ENG 114	Professional Research & Reporting	3	0	3
MAT	Elective (courses #110 or above)			3
	Social Science Elective			3
	Humanities/Fine Arts Elective			3
	Subtotal			15
Major Courses				
"Core Courses" Electives				18
Other "major" courses:				
CIS 110	Introduction to Computers	2	2	3
	Electives (may include a maximum of 8 semester hours in COE, cooperative education)			28
	Subtotal			31
Other Required Courses				
ACA	Elective	1	0	1
	Total Credit Hours			**65**

Courses used to complete the requirements of other associate-level degrees may also be counted toward the General Occupational Technology A.A.S. degree. However, completion of this degree requires a minimum of twelve (12) credit hours that have not been counted toward any other degree.

HORTICULTURE TECHNOLOGY Degree/Diploma

CURRICULUM DESCRIPTION

The Horticulture Technology curriculum encompasses the study and practical application of a variety of subjects in the field of horticulture. The curriculum consists of identifying and selecting plant materials; propagating, planting, and growing plants; designing basic landscapes and planting materials at the appropriate places and in the correct manner; properly maintaining plant materials; and managing the nursery, greenhouse, and garden center. In addition, skills are developed in designing and building planters, walks, patios, fences and other landscape features. The curriculum is designed to provide students with the knowledge, skills, and attitudes that are necessary for independent, creative thinking essential to success in this field.

Various types of employers hire the graduates of this curriculum. Examples are nurseries, greenhouse operations, garden centers, landscape contractors, landscape maintenance companies, and municipal governmental agencies.

HORTICULTURE TECHNOLOGY
DIPLOMA
D15240

Fall Semester		Lec/	Lab/	Crd
HOR 162	Applied Plant Science	2	2	3
ENG 111	Expository Writing	3	0	3
HOR 166	Soil and Fertilizers	2	2	3
ACA	Elective	1	0	1
AGR 110	Agricultural Econ.	3	0	3
CIS 111	Basic PC Literacy	1	2	2
		12	6	15
Spring Semester				
HOR 164	Horticultural Pest Mgt.	2	2	3
HOR 168	Plant Propagation	2	2	3
MAT 115	Math. Models	2	2	3
ENG 114	Prof. Research/Report.	3	0	3
AGR 214	Agricultural Marketing	3	0	3
BUS 135	Prin. of Supervision	3	0	3
		15	6	18
Summer Semester				
COE 112	Co-op Work Exp.	0	20	2
HOR 160	Plant Materials I	2	2	3
		2	22	5

Total Credit Hours 38

HORTICULTURE TECHNOLOGY
DEGREE
A15240

Fall Semester		Lec/	Lab/	Crd
HOR 162	Applied Plant Science	2	2	3
ENG 111	Expository Writing	3	0	3
HOR 166	Soil and Fertilizers	2	2	3
ACA 111	College Student Success	1	0	1
AGR 110	Agricultural Economics	3	0	3
CIS 110	Intro to Computers	2	2	3
		13	6	16
Spring Semester				
HOR 164	Horticultural Pest Mgt.	2	2	3
HOR 168	Plant Propagation	2	2	3
MAT 115	Mathematical Models	2	2	3
ENG 114	Prof. Research/Reporting	3	0	3
BUS 135	Prin. of Supervision	3	0	3
		12	6	15
Fall Semester				
PSY 118	Interpersonal Psychology	3	0	3
HOR 112	Landscape Design	2	3	3
HOR 124	Nursery Operations	2	3	3
AGR 214	Agricultural Marketing	3	0	3
COE 112	Co-op Work Experience	0	20	2
	Social Science Elective	3	0	3
		13	26	17
Spring Semester				
TRF 110	Intro. Turfgrass Cult & ID	3	2	4
BUS	Business Electives	6	0	6
AGR 262	Weed ID & Control	2	3	3
HOR 160	Plant Materials I	2	2	3
	Humanities Elective	3	0	3
		16	7	19

Total Credit Hours 67

****This degree articulates with North Carolina A & T State University's Bachelor of Science Program in Agricultural Education.***

INDUSTRIAL SYSTEMS TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in blueprint reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners.

INDUSTRIAL SYSTEMS TECHNOLOGY
Degree
A50240

Fall Semester		Lec/	Lab/	Crd
ACA 111	College Student Success	1	0	1
ELC 113	Basic Wiring I	2	6	4
ELC 112	DC/AC Electricity	3	6	5
ELC 125	Diagrams and Schematics	1	2	2
AHR 110	Intro to Refrigeration	2	6	5
AHR 160	Refrigerant Certification	1	0	1
		10	20	18
Spring Semester				
MAT 115	Mathematical Models	2	2	3
	(or PHY 110/110A ConceptPhysics/Lab	3	2	4)
ENG 111	Expository Writing	3	0	3
ELC 118	National Electrical Code	1	2	2
MNT 110	Intro to Maint Procedures	1	3	2
WLD 112	Basic Welding Processes	1	3	2
CIS 111	Basic PC Literacy	1	2	2
		9	12	14
		(10	12	15)
Summer Semester				
ENG 114	Prof Research & Reporting	3	0	3
ISC 112	Industrial Safety	2	0	2
ELC 117	Motors and Controls	2	6	4
	Social Science Elective	3	0	3
		10	6	12
Fall Semester				
ELC 128	Intro to PLC	2	3	3
MNT 240	Indust. Equip. Troubleshoot	1	3	2
HYD 110	Hydraulics/Pneumatics I	2	2	3
DFT 151	CAD I	2	3	3
AHR 112	Heating Tech	2	4	4
		9	15	15
Spring Semester				
ELC 228	PLC Applications	2	6	4
ELC 229	Applications Project (or COE)	1	3	2
MNT 160	Industrial Fabrication	1	3	2
ELN 131	Semiconductor Applications	3	3	4
	Humanities Elective	3	0	3
		10	15	15
	Total Credit Hours			**74**

INDUSTRIAL SYSTEMS TECHNOLOGY Diploma/Certificate

CURRICULUM DESCRIPTION

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

Students will learn multi-craft technical skills in blueprint reading, mechanical systems maintenance, electricity, hydraulics/pneumatics, welding, machining or fabrication, and includes various diagnostic and repair procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of this curriculum, graduates should be able to individually, or with a team, safely install, inspect, diagnose, repair, and maintain industrial process and support equipment. Students will also be encouraged to develop their skills as life-long learners.

INDUSTRIAL SYSTEMS TECHNOLOGY
Certificate
C50240

Fall Semester		Lec/	Lab/	Crd
ELC 125	Diagrams and Schematics	1	2	2
HYD 110	Hydraulics/Pneumatics	2	3	3
WLD 112	Basic Welding Processes	1	3	2
ELC 112	DC/AC Elect	3	6	5
		7	14	12
Spring Semester				
** Program Electives				6
	Total Credit Hours			**18**

***Program Electives:** Choose a minimum of six (6) semester hours from the following list of courses:*

ELC 121	Electrical Estimating	1	2	2
MNT 110	Intro. to Maint. Procedures	1	3	2
ISC 112	Industrial Safety	2	0	2
MNT 240	Indust. Eq. Troubleshoot	1	3	2
ELC 128	Intro to PLC	2	3	3
MNT 160	Industrial Fabrication	1	3	2

INDUSTRIAL SYSTEMS TECHNOLOGY
Diploma
D50240

Fall Semester		Leb/	Lab/	Crd
ELC 112	DC/AC Elect	3	6	5
ELC 125	Diagrams and Schematics	1	2	2
MNT 240	Indust Equip Troubleshoot	1	3	2
HYD 110	Hydraulics/Pneumatics	2	3	3
ELC 128	Intro to PLC	2	3	3
		9	17	15
Spring Semester				
ENG 101	App. Communications I (or ENG 111)	3	0	3
MAT 101	Applied Mathematics I (or MAT 115)	2	2	3
MNT 110	Intro. to Maint. Procedures	1	3	2
WLD 112	Basic Welding Processes	1	3	2
MNT 160	Industrial Fabrication	1	3	2
ELC 228	PLC Applications	2	6	4
		10	17	16
Summer Semester				
ELC 117	Motors and Controls	2	6	4
ISC 112	Industrial Safety	2	0	2
		4	6	6
	Total Credit Hours			**37**

MACHINING TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Machining Technology curriculum is designed to develop skills in the theory and safe use of hand tools, power machinery, computerized equipment and sophisticated precision inspection instruments.

Students will learn to interpret blueprints, set up manual and CNC machines, perform basic and advanced machining operations and make decisions to insure that work quality is maintained.

Employment opportunities for machining technicians exist in manufacturing industries, public institutions, governmental agencies and in a wide range of specialty machining job shops.

MACHINING TECHNOLOGY
DEGREE
A50300

		Lec/	Lab/	Crd
Fall Semester				
ACA 111	College Student Success	1	0	1
MAC 111	Machining Technology I	2	12	6
ENG 111	Expository Writing	3	0	3
BPR 111	Blueprint Reading	1	2	2
MAC 114	Introduction to Metrology	2	0	2
		9	14	14
Spring Semester				
MAC 112	Machining Technology II	2	12	6
ENG 114	Professional Research & Report	3	0	3
BPR 121	Blueprint Reading: Mechanical	1	2	2
MAC 151	Machining Calculations	1	2	2
MEC 142	Physical Metallurgy	1	2	2
		8	18	15
Summer Semester				
MAC 113	Machining Technology III	2	12	6
MAC 152	Advanced Machining Calculations	1	2	2
MEC 231	Comp-Aided Manufacturing I	1	4	3
		4	18	11
Fall Semester				
MAC 214	Machining Technology IV	2	12	6
MAT 121*	Algebra/Trigonometry I	2	2	3
MAC 122	CNC Turning	1	3	2
BPR 221	Interpretation of GD&T	2	0	2
		7	17	13
Spring Semester				
MAC 215	Machining Technology V	2	12	6
CIS 110	Introduction to Computers	2	2	3
MAC 124	CNC Milling	1	3	2
	Humanities/Fine Arts Elective	3	0	3
	Social Science Elective	3	0	3
		11	17	17
	Total Credit Hours			**70**

**** Minimum CPT score/MAT 070 required as pre-requisite***

MACHINING TECHNOLOGY Diploma/Certificate

CURRICULUM DESCRIPTION

The Machining Technology curriculum is designed to develop skills in the theory and safe use of hand tools, power machinery, computerized equipment and sophisticated precision inspection instruments.

Students will learn to interpret blueprints, set up manual and CNC machines, perform basic and advanced machining operations and make decisions to insure that work quality is maintained.

Employment opportunities for machining technicians exist in manufacturing industries, public institutions, governmental agencies and in a wide range of specialty machining job shops.

MACHINING TECHNOLOGY
CERTIFICATE
C50300

Fall Semester		Leb/Lab/Crd		
MAC 111	Machining Tech I	2	12	6
		2	12	6
Spring Semester				
MAC 112	Machining Tech II	2	12	6
		2	12	6
Summer Semester				
MAC 113	Machining Tech III	2	12	6
		2	12	6
Total Credit Hours				**18**

MACHINING TECHNOLOGY
DIPLOMA
D50300

Fall Semester		Lec/Lab/Crd		
MAC 111	Machining Technology I	2	12	6
BPR 111	Blueprint Reading	1	2	2
PHY 110	Conceptual Physics	3	0	3
PHY 110A	Conceptual Physics Lab	0	2	1
ACA 111	College Student Success	1	0	1
		7	16	13
Spring Semester				
MAC 112	Machining Technology II	2	12	6
BPR 121	Blueprint Reading: Mechanical	1	2	2
		3	14	8
Summer Semester				
MAC 113	Machining Technology III	2	12	6
MEC 231	Computer-Aided Manufacturing	1	4	3
		3	16	9
Fall Semester				
MAC 214	Machining Technology IV	2	12	6
ENG 101	App. Communications I (or ENG 111)	3	0	3
		5	12	9
Spring Semester				
MAC 215	Machining Technology V	2	12	6
MAC 151	Machine Calculations	1	2	2
		3	14	8
	Total Credit Hours			**47**

**** Minimum CPT score/MAT 070 required as pre-requisite***

MECHANICAL DRAFTING TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Mechanical Drafting Technology curriculum prepares technicians to produce drawings of mechanical parts, components of mechanical systems, and mechanisms. CAD and the importance of technically correct drawings and designs based on current standards are emphasized.

Course work includes mechanical drafting, CAD, and proper drawing documentation. Concepts such as machine shop processes, basic materials, and physical sciences as they relate to the design process are also included. The use of proper dimensioning and tolerance techniques is stressed.

Graduates should qualify for employment in mechanical areas such as manufacturing, fabrication, research and development, and service industries.

MECHANICAL DRAFTING TECHNOLOGY
DEGREE
A50340

		Lec	Lab	Crd
Fall Semester				
ACA 111	College Student Success	1	0	1
MAT 121	Algebra/Trigonometry I	2	2	3
ENG 111	Expository Writing	3	0	3
CIS 110	Introduction to Computers	2	2	3
MEC 111	Machine Processes I	2	3	3
DFT 111	Technical Drafting I	1	3	2
DFT 111A	Tech Drafting I Lab	0	3	1
		11	13	16
Spring Semester				
MAT 122	Algebra/Trigonometry II	2	2	3
ENG 114	Professional Research & Reporting	3	0	3
PHY 131	Physics-Mechanics	3	2	4
DFT 112	Technical Drafting II	1	3	2
DFT 112A	Tech Drafting II Lab	0	3	1
	Social Science Elective	3	0	3
		12	10	16
Summer Semester				
DFT 121	Introduction to GD & T	1	2	2
DFT 214	Descriptive Geometry	1	2	2
		2	4	4
Fall Semester				
MEC 211	Engineering Mats & Testing	3	3	4
MEC 251	Statics	2	2	3
MEC 265	Fluid Mechanics	2	2	3
DFT 151	CAD I	2	3	3
DBA 110	Database Concepts	2	3	3
		11	13	16
Spring Semester				
DFT 152	CAD II	2	3	3
DDF 211	Design Drafting I	2	6	4
MEC 252	Strength of Materials	2	2	3
MEC 275	Engineering Mechanisms	2	2	3
CTS 130	Spreadsheet	2	2	3
	Humanities/Fine Arts Elective	3	0	3
		13	15	19
	Total Credit Hours			**71**

MECHANICAL DRAFTING TECHNOLOGY

Diploma/Certificate

CURRICULUM DESCRIPTION

The Mechanical Drafting Technology curriculum prepares technicians to produce drawings of mechanical parts, components of mechanical systems, and mechanisms. CAD and the importance of technically correct drawings and designs based on current standards are emphasized.

Course work includes mechanical drafting, CAD, and proper drawing documentation. Concepts such as machine shop processes, basic materials, and physical sciences as they relate to the design process are also included. The use of proper dimensioning and tolerance techniques is stressed.

Graduates should qualify for employment in mechanical areas such as manufacturing, fabrication, research and development, and service industries.

CAD
CERTIFICATE
C50340

Fall Semester		**Lec/Lab/Crd**		
DFT 151	CAD I	2	3	3
		2	3	3
Spring Semester				
DFT 112	Technical Drafting II	1	3	2
DFT 112A	Tech. Drafting II Lab	0	3	1
DDF 211	Design Drafting I	2	6	4
DFT 152	CAD II	2	3	3
		5	15	10
	Total Credit Hours			**13**

MECHANICAL DRAFTING TECHNOLOGY
DIPLOMA
D50340

Fall Semester		**Lec/Lab/**		**Crd**
DFT 111	Technical Drafting I	1	3	2
DFT 111A	Tech Drafting I Lab	0	3	1
DFT 151	CAD I	2	3	3
ENG 101	App. Comm. I (or ENG 111)	3	0	3
MAT 101	Applied Math I (or MAT 115)	2	2	3
ACA 111	College Student Success	1	0	1
	Humanities Elective	3	0	3
		12	11	16
Spring Semester				
DFT 112	Technical Drafting II	1	3	2
DFT 112A	Tech Drafting II Lab	0	3	1
DDF 211	Design Drafting I	2	6	4
MEC 111	Machine Processes I	2	3	3
DFT 152	CAD II	2	3	3
	Social Science Elective	3	0	3
		10	18	16
Summer Semester				
DFT 121	Introduction to GD & T	1	2	2
DFT 214	Descriptive Geometry	1	2	2
		2	4	4
	Total Credit Hours			**36**

MEDICAL ASSISTING — Degree

CURRICULUM DESCRIPTION

The Medical Assisting curriculum prepares multi-skilled health care professionals qualified to perform administrative, clinical and laboratory procedures.

Course work includes instruction in scheduling appointments, coding and processing insurance accounts, billing, collections, medical transcription, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, supervised medication administration; and ethical/legal issues associated with patient care.

Graduates of a CAAHEP-accredited medical assisting program may be eligible to sit for the American Association of Medical Assistants' Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals.

Note: Surry Community College is a CAAHEP accredited school.

Note: This is a selected admission program. Please see Page 20 for admission requirements.

DISTANCE EDUCATION INFORMATION

This degree program is offered through the Distance Education program. Further information can be found on the Internet at ***http://www.surry.edu/DE*** concerning completing this degree on-line.

MEDICAL ASSISTING
DEGREE
A45400

Fall Semester		**Lec/**	**Lab/**	**Crd**
MED 110	Orientation to Med Assisting	1	0	1
MED 121	Medical Terminology I	3	0	3
OST 131	Keyboarding	1	2	2
ACA 111	College Student Success	1	0	1
ENG 111	Expository Writing	3	0	3
*OST 153	Office Finance Solutions	1	2	2
MED 116	Intro to Anatomy & Phys.	3	2	4
		13	6	16
Spring Semester				
MED 122	Medical Terminology II	3	0	3
OST 137	Office Software Appl	2	2	2
OST 134	Text Entry & Formatting	2	2	3
MED 140	Exam Room Procedures	3	4	5
MED 130	Office Procedures I	1	2	2
OST 149	Med Legal Issues	3	0	3
MAT 110	Math Measurement	2	2	3
		16	12	21
Fall Semester				
MED 272	Drug Therapy	3	0	3
MED 131	Adm Office Procedures II	1	2	2
MED 150	Lab Procedures I	3	4	5
OST 148	Med Coding Billing & Insu	3	0	3
BUS 260	Business Communication	3	0	3
MED 276	Patient Education	1	2	2
		14	8	18
Spring Semester				
ENG 114	Prof Research/Reporting	3	0	3
	Humanities Elective	3	0	3
PSY 150	General Psychology	3	0	3
MED 260	MED Clinical Externship	0	15	5
MED 262	Clinical Perspectives	1	0	1
		10	15	15

Total Credit Hours **70**

****Course revisions pending state approval***

MEDICAL OFFICE ADMINISTRATION Degree

CURRICULUM DESCRIPTION

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing, and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

MEDICAL OFFICE ADMINISTRATION
DEGREE
A25310

Fall Semester		**Lec/**	**Lab/**	**Crd**
OST 131	Keyboarding	1	2	2
OST 164	Text Editing Applications	3	0	3
MAT 115	Mathematical Models	2	2	3
ENG 111	Expository Writing	3	0	3
BIO 161	Introduction to Human Biology	3	0	3
MED 121	Medical Term. I	3	0	3
ACA 111	College Student Success	1	0	1
		16	4	18
Spring Semester				
OST 134	Text Entry & Formatting	2	2	3
OST 148	Med Coding, Billing, & Insurance	3	0	3
OST 149	Medical Legal Issues	3	0	3
MED 122	Medical Term. II	3	0	3
ENG 114	Professional Research & Reporting	3	0	3
	Humanities Elective	3	0	3
		17	2	18
Fall Semester				
OST 135	Adv. Text Entry Format	3	2	4
*OST 136	Word Processing	1	2	2
*OST 137	Office Software App	2	2	3
*OST 181	Intro to Office Systems	2	2	3
OST 184	Records Management	2	2	3
OST 243	Medical Office Simulation	2	2	3
MED 134	Medical Transcription	2	2	3
		14	14	21
Spring Semester				
BUS 121	Business Math	2	2	3
BUS 260	Business Communications	3	0	3
OST 244	Medical Document Prod	1	2	2
OST 138	Adv. Software App	2	2	3
*OST 289	Admin Office Management	2	2	3
PSY 150	General Psychology I (or Social Science Elective)	3	0	3
COE 111	Co-Op Work Exp I (or elective)	0	10	1
		13	18	18
	Total Credit Hours			**73**

Course revisions pending state approval

MEDICAL OFFICE ADMINISTRATION

Diploma/Certificate

CURRICULUM DESCRIPTION

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing, and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

MEDICAL OFFICE ADMINISTRATION
CERTIFICATE
C25310

Fall Semester		Lec/	Lab/	Crd
OST 131	Keyboarding	1	2	2
OST 164	Text Edit Apps	3	0	3
OST 184	Records Mgmt	2	2	3
MED 121	Med Term I	3	0	3
		9	4	11
Spring Semester				
OST 134	Text Entry & Format.	2	2	3
OST 148	Medical Coding, Billing, & Ins	3	0	3
		5	2	6
	Total Credit Hours			**17**

MEDICAL OFFICE ADMINISTRATION
DIPLOMA
D25310

Fall Semester		Lec/	Lab/	Crd
OST 131	Keyboarding	1	2	2
OST 164	Text Editing Applications	3	0	3
OST 184	Records Management	2	2	3
BIO 161	Intro to Human Biology	3	0	3
MED 121	Medical Terminology I	3	0	3
		12	4	14
Spring Semester				
OST 134	Text Entry & Formatting	2	2	3
OST 148	Med. Coding, Billing, & Insurance	3	0	3
MED 122	Medical Terminology II	3	0	3
MAT 115	Mathematical Models	2	2	3
		10	4	12
Fall Semester				
OST 135	Adv. Text Entry Format	3	2	4
*OST 136	Word Processing	2	2	3
*OST 137	Office Software App	1	2	2
*OST 181	Office Procedures	2	2	3
OST 243	Medical Office Simulation	2	2	3
		10	10	15
Spring Semester				
*OST 289	Office Systems Management	2	2	3
ENG 111	Expository Writing	3	0	3
		5	2	6
	Total Credit Hours			**47**

Course revisions pending state approval

NURSING: ASSOCIATE DEGREE NURSING (ADN) (NON-INTEGRATED) Degree

CURRICULUM DESCRIPTION

The Associate Degree Nursing curriculum provides individuals with the knowledge and skills necessary to provide nursing care to clients and groups of clients throughout the lifespan in a variety of settings.

Courses will include content related to the nurse's role as provider of nursing care, as manager of care, as member of the discipline of nursing, and as a member of the interdisciplinary team.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN) which is required for practice as a Registered Nurse. Employment opportunities include hospitals, long term care facilities, clinics, physicians' offices, industry, and community agencies.

Each nursing (NUR) course must be successfully completed in order to progress to subsequent nursing courses.

A nursing student prohibited from participating in a clinical agency based on their criminal background screening may be dismissed from the nursing program due to their inability to progress.

NURSING: ASSOCIATE DEGREE NURSING (ADN)
(NON-INTEGRATED)
A45120

		Lec	Lab	Clinical	Crd
Fall Semester					
NUR 115	Fundamentals of Nursing	2	3	6	5
NUR 133	Nursing Assessment	2	3	0	3
NUR 117	Pharmacology	1	3	0	2
BIO 165	Anatomy & Physiology I	3	3	0	4
MAT 110	Mathematical Measurement	2	2	0	3
		10	14	6	17
Spring Semester					
NUR 135	Adult Nursing I	5	3	9	9
NUR 118	Nutrition/Diet Therapy	2	0	0	2
BIO 166	Anatomy & Physiology	3	3	0	4
PSY 150	General Psychology	3	0	0	3
		13	6	9	18
Summer Semester (10 Weeks)					
NUR 185	Mental Health Nursing	3	0	6	5
CIS 110	Introduction to Computers	2	2	0	3
ENG 111	Expository Writing	3	0	0	3
		8	2	6	11
Fall Semester					
NUR 125AB	Maternal Child Nursing (Maternal) &	2.5	1.5	3	4
NUR 125BB	Maternal Child Nursing (Child)	2.5	1.5	3	4
NUR 255	Professional Issues	3	0	0	3
ENG 114	Prof. Research & Reporting	3	0	0	3
	Humanities/Fine Arts Elective	3	0	0	3
		14	3	6	17
Spring Semester					
NUR 235	Adult Nursing II Theory	4	3	15	10
NUR 233	Leadership in Nursing	2	0	0	2
		6	3	15	12
	Total Credit Hours				**75**

****Upon successful completion the student has met the requirements and is eligible to apply for listing as Nurse Aide II.***

NURSING: ASSOCIATE DEGREE NURSING (EVENING OPTION) (FOR LICENSED PRACTICAL NURSES ONLY) Degree

CURRICULUM DESCRIPTION

The Associate Degree Nursing curriculum provides individuals with the knowledge and skills necessary to provide nursing care to clients and groups of clients throughout the lifespan in a variety of settings.

Courses will include content related to the nurse's role as provider of nursing care, as manager of care, as member of the discipline of nursing, and as a member of the interdisciplinary team.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN) which is required for practice as a Registered Nurse. Employment opportunities include hospitals, long term care facilities, clinics, physicians' offices, industry, and community agencies.

Each nursing (NUR) course must be successfully completed in order to progress to subsequent nursing courses.

A nursing student prohibited from participating in a clinical agency based on their criminal background screening may be dismissed from the nursing program due to their inability to progress.

NURSING: ASSOCIATE DEGREE NURSING EVENING OPTION (ADN)
(FOR LICENSED PRACTICAL NURSES ONLY)
A45120

		Lec/	Lab/	Clinical/	Crd
Fall Semester					
BIO 165	Anatomy & Physiology I	3	3	0	4
PSY 150	General Psychology	3	0	0	3
MAT 110	Mathematical Measurement	2	2	0	3
		8	5	0	10
Spring Semester					
BIO 166	Anatomy & Physiology II	3	3	0	4
CIS 110	Introduction to Computers	2	2	0	3
		5	5	0	7
Summer Semester					
ENG 111	Expository Writing	3	0	0	3
		3	0	0	3

The student must complete the above courses in order to be accepted into the nursing program.

Fall Semester					
*NUR 115DD	Fundamentals of Nursing	2	0	0	2
		2	0	0	2
Spring Semester					
*NUR 135DD	Adult Nursing I	4	0	6	6
ENG 114	Professional Research & Report.	3	0	0	3
		7	0	6	9
Summer Semester					
*NUR 185	Mental Health Nursing	3	0	6	5
		3	0	6	5
Fall Semester					
*NUR 125DD	Maternal Child Nursing	3	0	3	4
	Humanities/Fine Arts Elective	3	0	0	3
NUR 255	Professional Issues	3	0	0	3
		9	0	3	10
Spring Semester					
*NUR 235DD	Adult Nursing II	4	0	6	6
NUR 233	Nursing Leadership	2	0	0	2
		6	0	6	8

Credit Hours	54
**Credit hours awarded for previous work and LPN course work.*	21
Total Credit Hours	**75**

NURSING: GENERAL OCCUPATIONAL TECHNOLOGY (PRE-NURSING) Diploma

CURRICULUM DESCRIPTION

The General Occupational Technology curriculum provides individuals with an opportunity to upgrade their skills and to earn an associate degree by taking courses suited for their occupational interests and/or needs.

The curriculum content will be individualized for students according to their occupational interests and needs. A program of study for each student will be selected from associate degree-level courses offered by the College.

Graduates will become more effective workers, better qualified for advancements within their field of employment, and become qualified for a wide range of entry-level employment opportunities.

NURSING: GENERAL OCCUPATIONAL TECHNOLOGY (PRE-NURSING) DIPLOMA D55280

		Lec/	Lab/	Crd
Fall Semester				
ENG 111	Expository Writing	3	0	3
PSY 150	General Psychology	3	0	3
BIO 165	Anatomy & Physiology I	3	3	4
	Humanities Elective	3	0	3
MED 121	Medical Term I	3	0	3
RED 111	Crit Reading for College	3	0	3
ACA 111	College Student Success	1	0	1
		19	3	20
Spring Semester				
ENG 114	Prof Research & Reporting	3	0	3
MAT 110	Mathematical Measurement	2	2	3
BIO 166	Anatomy & Physiology II	3	3	4
PSY 241	Developmental Psychology	3	0	3
CIS 110	Introduction to Computers	2	2	3
		13	7	16
	Total Credit Hours			**36**

NURSING: PRACTICAL NURSING (PN) Diploma

CURRICULUM DESCRIPTION

The Practical Nursing curriculum prepares individuals with the knowledge and skills to provide nursing care to children and adults.

Students will participate in assessment, planning, implementing, and evaluating nursing care.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long term care/ home health facilities, clinics, and physicians' offices.

Each nursing (NUR) course must be successfully completed in order to progress to subsequent nursing courses.

A nursing student prohibited from participating in a clinical agency based on their criminal background screening may be dismissed from the nursing program due to their inability to progress.

NURSING: PRACTICAL NURSING (PN)
DIPLOMA
D45660

Spring Semester		**Lec/**	**Lab/**	**Clinical/**	**Crd**
NUR 101	Nursing I	7	6	6	11
NUR 117	Pharmacology	1	3	0	2
BIO 163	Basic Anatomy & Physiology	4	2	0	5
PSY 150	General Psychology	3	0	0	3
		15	11	6	21
Summer Semester					
NUR 102	Practical Nursing II	8	0	12	12
ENG 111	Expository Writing	3	0	0	3
		11	0	12	15
Fall Semester					
NUR 103	Practical Nursing III	6	0	12	10
NUR 118	Nutrition/Diet Therapy	2	0	0	2
		8	0	12	12
	Total Credit Hours				**48**

****Upon successful completion the student has met the requirements and is eligible to apply for listing as Nurse Aide II.***

OFFICE ADMINISTRATION *(Pending State Approval)* Degree

CURRICULUM DESCRIPTION

The Office Systems Technology curriculum prepares individuals for positions in administrative support careers. It equips office professionals to respond to the demands of a dynamic computerized workplace.

Students will complete courses designed to develop proficiency in the use of integrated software, oral and written communication, analysis and coordination of office duties and systems, and other support topics. Emphasis is placed on non-technical as well as technical skills.

Graduates should qualify for employment in a variety of positions in business, government, and industry. Job classifications range from entry-level to supervisor to middle management.

DISTANCE EDUCATION INFORMATION

This degree program is offered through the Distance Education program. Further information can be found on the Internet at ***http://www.surry.edu/DE*** concerning completing this degree on-line.

OFFICE SYSTEMS TECHNOLOGY
DEGREE
A25360

Fall Semester		Lec/	Lab/	Crd
OST 131	Keyboarding	1	2	2
*OST 153	Office Financial Solutions	1	2	2
OST 164	Text Editing Applications	3	0	3
MAT 115	Mathematical Models	2	2	3
ENG 111	Expository Writing	3	0	3
PSY 150	General Psychology (or Soc. Science)	3	0	3
ACA 111	College Student Success	1	0	1
		14	6	17
Spring Semester				
OST 134	Text Entry & Format	2	2	3
*OST 137	Office Software Applications	2	2	3
*OST 165	Adv. Text Editing	2	2	3
OST 220	Notetaking	3	0	3
ENG 114	Professional Research & Reporting	3	0	3
BUS 125	Personal Finance	3	0	3
		15	6	18
Fall Semester				
OST 135	Adv. Text Entry & Formatting	3	2	4
*OST 136	Word Processing	2	2	3
OST 138	Adv Software App	2	2	3
*OST 181	Office Procedures	2	2	3
OST 184	Records Management	2	2	3
OST 286	Professional Development	3	0	3
		14	10	19
Spring Semester				
BUS 121	Business Math	2	2	3
BUS 260	Business Communications	3	0	3
*OST 233	Office Publication Design	2	2	3
*OST 289	Office Systems Management	2	2	3
COE 111	Co-Op Work Exp I (or any elective)	0	10	1
	Humanities Elective	3	0	3
		12	16	16
	Total Credit Hours			**70**

Course revisions and title change pending state approval

OFFICE ADMINISTRATION Diploma/Certificate

(Pending State Approval)

CURRICULUM DESCRIPTION

The Office Systems Technology curriculum prepares individuals for positions in administrative support careers. It equips office professionals to respond to the demands of a dynamic computerized workplace.

Students will complete courses designed to develop proficiency in the use of integrated software, oral and written communication, analysis and coordination of office duties and systems, and other support topics. Emphasis is placed on non-technical as well as technical skills.

Graduates should qualify for employment in a variety of positions in business, government, and industry. Job classifications range from entry-level to supervisor to middle management.

OFFICE ADMINISTRATION
CERTIFICATE
C25360

Fall Semester		Lec/	Lab/	Crd
OST 131	Keyboarding	1	2	2
OST 164	Text Editing Appl.	3	0	3
		4	2	5
Spring Semester				
OST 134	Text Entry & Format	2	2	3
*OST 137	Office Software Appl.	2	2	3
		4	4	6
Fall Semester				
OST 135	Adv. Text Entry & For	3	2	4
OST 184	Records Mgmt.	2	2	3
		5	4	7

Total Credit Hours **18**

OFFICE ADMINISTRATION
DIPLOMA
D25360

Fall Semester		Lec/	Lab/	Crd
OST 131	Keyboarding	1	2	2
OST 164	Text Editing Applications	3	0	3
OST 184	Records Management	2	2	3
ENG 111	Expository Writing	3	0	3
		9	4	11
Spring Semester				
OST 134	Text Entry & Format	2	2	3
*OST 137	Office Software Applications	2	2	3
MAT 115	Mathematical Models	2	2	3
*OST 165	Adv. Text Editing	2	2	3
		8	8	12
Fall Semester				
OST 135	Adv. Text Entry & Formatting	3	2	4
*OST 136	Word Processing	2	2	3
OST 138	Adv Software App	2	2	3
*OST 181	Office Procedures	2	2	3
		9	8	13
Spring Semester				
BUS 121	Business Math	2	2	3
BUS 260	Business Communications	3	0	3
*OST 289	Administrative Office Management	2	2	3
		7	4	9

Total Credit Hours **45**

Course revisions and title change pending state approval

PARALEGAL TECHNOLOGY Degree/Certificate

CURRICULUM DESCRIPTION

The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Note:
Surry Community College is designated as a qualified Paralegal Studies Program by the North Carolina Bar Board of Paralegal Certification.

DISTANCE EDUCATION INFORMATION
This degree program is offered through the Distance Education program.
Further information can be found on the Internet at
http://www.surry.edu/DE
concerning completing this degree on-line.

PARALEGAL TECHNOLOGY
CERTIFICATE
Real Property Concentration - C25380

Fall Semester		Lec/	Lab/	Crd
LEX 110	Intro to Paralegal Study	2	0	2
LEX 120	Legal Research & Writing	2	2	3
LEX 210	Real Property I	3	0	3
		7	2	8
Spring Semester				
LEX 150	Commercial Law	2	2	3
LEX 211	Real Property II	1	4	3
LEX 250	Wills, Estates & Trusts	2	2	3
		5	8	9

Total Credit Hours 17

PARALEGAL TECHNOLOGY
DEGREE
A25380

Fall Semester		Leb/	Lab/	Crd
LEX 110	Intro. to Paralegal Study	2	0	2
LEX 120	Legal Research & Writing I	2	2	3
MAT 115	Mathematical Models	2	2	3
ENG 111	Expository Writing	3	0	3
LEX 160	Criminal Law & Procedure	2	2	3
ACA 111	College Student Success	1	0	1
OST 131	Keyboarding	1	2	2
		13	8	17
Spring Semester				
LEX 130	Civil Injuries	3	0	3
LEX 140	Civil Litigation I	3	0	3
LEX 150	Commercial Law	2	2	3
LEX 121	Legal Research & Writing II	2	2	3
ACC 120	Prin. of Financial Accounting	3	2	4
OST 134	Text Entry	2	2	3
		15	8	19
Fall Semester				
OST 136	Word Processing	1	2	2
LEX 210	Real Property I	3	0	3
LEX 260	Bankruptcy & Collections	3	0	3
ENG 114	Professional Research & Reporting	3	0	3
LEX 141	Civil Litigation II	2	2	3
LEX 240	Family Law	3	0	3
	Social Science Elective	3	0	3
		18	4	20
Spring Semester				
LEX 192	Selected Topics: Law Office	1	2	2
LEX 211	Real Property II	1	4	3
LEX 250	Wills, Estates, & Trusts	2	2	3
LEX 270	Law Office Mgt./Technology	1	2	2
	Humanities/Fine Arts Elective	3	0	3
COE 111	Co-op Work Experience I (or any Elective)	0	10	1
		8	20	14

Total Credit Hours 70

PHYSICAL THERAPIST ASSISTANT (PTA) Degree

CURRICULUM DESCRIPTION

The Physical Therapist Assistant curriculum prepares graduates to work in direct patient care settings under the supervision of physical therapists. Assistants work to improve or restore function by alleviation or prevention of physical impairment and perform other essential activities in a physical therapy department.

Course work includes normal human anatomy and physiology, the consequences of disease or injury, and physical therapy treatment of a variety of patient conditions affecting humans throughout the life span.

Graduates may be eligible to take the licensure examination administered by the NC Board of Physical Therapy Examiners. (A student with a felony may not be eligible for licensure or employment). Employment is available in general hospitals, rehabilitation centers, extended care facilities, specialty hospitals, home health agencies, private clinics, and public school systems.

Competitive admissions are anticipated for an intense program that leads to an intensely-satisfying career. The program anticipates to accept a maximum of 16 students in mid-2008 and will graduate the first class in 2010.

At this time, Surry's PTA program is in the pre-accreditation phase. "Surry Community College is seeking accreditation by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association (1111 North Fairfax Street, Alexandria, VA 22314; phone: 703-706-3245; accreditation@apta.org .) The program will submit an Application for Candidacy, which is the formal application required in the pre-accreditation stage. Submission of this document does not assure that the program will be granted Candidate for Accreditation status nor does it assure that the program will be granted Accreditation."

Associate degree: Physical Therapist Assistant
Length of program: 5 semesters
Each Physical Therapist Assistant (PTA) course must be successfully completed in order to progress to subsequent PTA courses.

PTA students prohibited from participating in a clinical internship based on their criminal background check or drug screening may be dismissed from the PTA program due to their inability to progress.

PHYSICAL THERAPY ASSISTANT (PTA)
DEGREE
A45620

		Lec/	Lab/	Clinical/	Crd
Fall Semester					
BIO 165	Anatomy & Physiology I	3	3	0	4
PHY 110/A	Conceptual Physics & lab	3	2	0	4
PTA 110	Introduction to PTA	2	3	0	0
PTA 130	PTA Procedures I	1	6	0	0
ENG 111	Expository Writing	3	0	0	3
PTA 222	Professional Interactions	2	0	0	2
		14	14	0	19
Spring Semester					
BIO 166	Anatomy & Physiology II	3	3	0	4
PTA 150	PTA Procedures II	1	6	0	3
PTA 120	Functional Anatomy	1	6	0	3
PTA 140	Therapeutic Exercise	2	6	0	4
PSY 150	General Psychology	3	0	0	3
		10	21	0	17
Summer Semester					
PTA 170	Pathophysiology (6 weeks)	3	0	0	3
PTA 160	PTA Procedures III (6 weeks)	2	3	0	3
PTA 180	Clinical Intro (4 weeks)	0	0	9	3
		5	3	9	9
Fall Semester					
PTA 240	Procedures IV	3	6	0	3
PTA 212	Health Care Resources	2	0	0	2
PTA 252	Geriatrics for the PTA	2	0	0	2
ENG 114	Prof. Research & Reporting	3	0	0	3
PSY 241	Developmental Psychology	3	0	0	3
	HUM Elec	3	0	0	3
		16	6	0	18
Spring Semester					
PTA 260	Advanced Clinical Education 2 - 6 week internships	0	0	30	10
PTA 270	PTA topics (4 weeks)	1	0	0	1
PTA 280	PTA Issues I (4 weeks)	1	0	0	1
		2	0	30	12
	Total Credit Hours				**75**

Program information:
Program Director: Casey A. Vedder, PT, MA
Telephone Number: 336-386-3513
Office Location: H-152
E-mail: vedderc@surry.edu

Dept. office phone number:336-386-3275
Surry Community Website: http://www.surry.edu

REAL ESTATE APPRAISAL — Certificate

CURRICULUM DESCRIPTION

The Real Estate Appraisal curriculum is designed to prepare individuals to enter the appraisal profession as a registered trainee and advance to licensed or certified appraiser levels.

Course work includes appraisal theory and concepts with applications, the North Carolina Appraisers Act, North Carolina Appraisal Board rules, and the Uniform Standards of Professional Appraisal Practice.

Graduates should be prepared to complete the North Carolina Registered Trainee Examinations and advance to licensure or certification levels as requirements are met.

Note: Students may sit for the Real Estate Appraisal Trainee Examination after taking REA 219.

Students who complete the full certificate may meet required classroom hours to sit for the Certified Residential Appraisal Examination.

REAL ESTATE APPRAISAL
CERTIFICATE
C25420

		Lec/	Lab/	Crd
Fall Semester				
REA 214	Basic Appraisal Principles	2	0	2
REA 215	Basic Appraisal Procedure	2	0	2
		4	0	4
Spring Semester				
REA 217	National USPAP	1	0	1
REA219	Residential Market Analysis	1	0	1
REA 212	Sales Comparison & Income	2	0	2
		4	0	4
Fall Semester				
REA 210	Site Value Cost Approach	1	0	1
REA 213	Appraisal Report Writing	1	0	1
REA 220	Statistics and Finance	1	0	1
REA 240	Advanced Residential	1	0	1
		4	0	4
Spring Semester				
REA 280	Appraisal Emerging Issues	2	0	2
		2	0	2
	Total Credit Hours			**14**

SIMULATION AND GAME DEVELOPMENT

Degree

CURRICULUM DESCRIPTION

The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.

Students will receive hands-on training in design, 3D modeling, software engineering, database administration and programming for the purpose of creating simulations and games.

Graduates should qualify for employment as designers, artists, animators, programmers, database administrators, testers, quality assurance analysts, engineers and administrators in the entertainment industry, the health care industry, engineering, forensics, education, NASA and government agencies.

SIMULATION AND GAME DEVELOPMENT
DEGREE
A25450

CLASSES TAUGHT AT SURRY COMMUNITY COLLEGE

		Lec/	Lab/	Crd
Fall Semester				
ENG 111	Expository Writing	3	0	3
HIS 121	Western Civilization I	3	0	3
MAT 121	Algebra/Trigonometry I	2	2	3
SGD 111	Introduction to SGD	2	3	3
SGD 112	SGD Design	2	3	3
ACA 111	College Student Success	1	0	1
		13	8	16
Spring Semester				
SGD 113	SGD Programming	2	3	3
SGD 114	3D Modeling	2	3	3
SGD 212	SGD Design II	2	3	3
PHY 110	Conceptual Physics	3	0	3
PHY 110A	Conceptual Physics Lab	0	2	1
	Humanities Elective	3	0	3
		12	11	16
Summer Semester				
SGD 163	SG Documentation	2	3	3
SGD 158	SGD Business Management	3	0	3
PSY 150	General Psychology	3	0	3
		8	3	9

CLASSES TAUGHT ONLINE THROUGH WAKE TECH COMMUNITY COLLEGE

Fall Semester				
DRA 126	Storytelling	3	0	3
SGD 174	SG Level Design	2	3	3
SGD 213	SGD Programming II	2	3	3
SGD 214	3D Modeling II	2	3	3
	Major Elective I			2
		9	9	14
Spring Semester				
ENG 113	Literature-Based Research	3	0	3
SGD 162	SG 3D Animation	2	3	3
SGD 167	SG Ethics	3	0	3
SGD 285	SG Software Engineering	2	3	3
	Major Elective II			2
		10	6	14
Summer Semester				
SGD 289	SG Project	2	3	3
	Major Elective III			3
		2	3	6

Total Credit Hours **75**

VITICULTURE & ENOLOGY TECHNOLOGY Degree

CURRICULUM DESCRIPTION

The Viticulture & Enology curriculum is designed to prepare individuals for various careers in the grape growing and wine making industry. Classroom instruction, laboratory and field applications of viticultural/enological principles and practices are included in the program of study.

Course work in viticulture includes aspects of plant science, vineyard stock selection, and propagation, soils, vine nutrition and pest management. Also included are courses in planning, layout, economics and management of vineyards. Those interested in enology will receive training in the classroom, laboratory and field in the tools and techniques or wine making. Related courses in microbiology and fermentation science, sensory analysis, and winery economics and marketing are offered.

Graduates should qualify for positions in vineyards, wineries, and in related areas of sales and services. Graduates in viticulture will also be certified as North Carolina Private Pesticide Applicators.

VITICULTURE & ENOLOGY TECHNOLOGY
DEGREE
A15430

Fall Semester		**Lec/**	**Lab/**	**Crd**
ACA 111	College Student Success	1	0	1
AGR 110	Agricultural Economics	3	0	3
ENG 111	Expository Writing	3	0	3
VEN 132	Wines of the World	1	2	2
VEN 135	Introduction to Viticulture	3	2	4
VEN 139	Grape and Wine Science	4	2	5
		15	6	18
Spring Semester				
CIS 110	Introduction to Computers	2	2	3
ENG 114	Prof. Research/Reporting	3	0	3
MAT 115	Mathematical Models	2	2	3
VEN 138	Vineyard Est. & Development	3	0	3
VEN 133	Introduction to Winemaking	3	0	3
		13	4	15
Summer Semester				
VEN 285	Winery Operations ***or***	3	2	4
VEN 287	Vineyard Operations	3	2	4
		3	2	4
Fall Semester				
BUS 110	Introduction to Business	3	0	3
VEN 283	Wine Production & Analysis	2	6	5
PSY 118	Interpersonal Psychology	3	0	3
AGR 214	Agricultural Marketing	3	0	3
	Humanities Elective	3	0	3
		14	6	17
Spring Semester				
BUS 135	Principles of Supervision	3	0	3
BUS 230	Small Business Management	3	0	3
VEN 238	Grapevine Pests, Diseases, Disord.	3	0	3
	SPA Elective	3	0	3
VEN 288	Wine Finishing & Packaging	1	4	3
COE 112	Co-op Work Experience ***or***	0	20	2
	AGR, HOR, BIO, or VEN Elective	3	0	3
		16	4 or 24	17 or 18
	Total Credit Hours			**71 or 72**

VITICULTURE & ENOLOGY TECHNOLOGY

Diploma/Certificate

CURRICULUM DESCRIPTION

The Viticulture & Enology curriculum is designed to prepare individuals for various careers in the grape growing and wine making industry. Classroom instruction, laboratory and field applications of viticultural/enological principles and practices are included in the program of study.

Course work in viticulture includes aspects of plant science, vineyard stock selection, and propagation, soils, vine nutrition and pest management. Also included are courses in planning, layout, economics and management of vineyards. Those interested in enology will receive training in the classroom, laboratory and field in the tools and techniques or wine making. Related courses in microbiology and fermentation science, sensory analysis, and winery economics and marketing are offered.

Graduates should qualify for positions in vineyards, wineries, and in related areas of sales and services. Graduates in viticulture will also be certified as North Carolina Private Pesticide Applicators.

VITICULTURE & ENOLOGY TECHNOLOGY
CERTIFICATE
C15430

Fall Semester		**Lec/**	**Lab/**	**Crd**
VEN 135	Intro. to Viticulture	3	2	4
VEN 132	Wines of the world	1	2	2
		4	4	6
Spring Semester				
CIS 110	Intro. to Computers	2	2	3
VEN 138	Vineyard Est. & Dev. ***or***			
VEN 133	Intro. to Winemaking	3	0	3
		5	2	6
Summer Semester				
VEN 285	Winery Operations ***or***			
VEN 287	Vineyard Operations	3	2	4
	Elective (or COE)	2	0	2
		5	2	6
	Total Credit Hours			**18**

VITICULTURE & ENOLOGY TECHNOLOGY
DIPLOMA
D15430

Fall Semester		**Lec/**	**Lab/**	**Crd**
ACA 111	College Student Success	1	0	1
AGR 110	Agricultural Economics	3	0	3
VEN 135	Introduction to Viticulture	3	2	4
VEN 132	Wines of the World	1	2	2
VEN 139	Grape and Wine Science	4	2	5
		12	6	15
Spring Semester				
MAT 115	Mathematical Models ***or***	2	2	3
MAT 101	Applied Math I	2	2	3
ENG 101	Applied Communications I ***or***	3	0	3
ENG 111	Expository Writing	3	0	3
VEN 133	Introduction to Winemaking	3	0	3
PSY 118	Interpersonal Psychology	3	0	3
VEN 138	Vineyard Estab. & Development	3	0	3
CIS 110	Introduction to Computers	2	2	3
		16	4	18
Summer Semester				
VEN 285	Winery Operations ***or***	3	2	4
VEN 287	Vineyard Operations	3	2	4
COE 112	Co-op Work Experience ***or***	0	20	2
Elective	AGR, HOR, VEN	3	0	3
Elective	SPA Elective	3	0	3
		6 or 9	2 or 22	9 or 10
	Total Credit Hours			**39 or 43**

WELDING TECHNOLOGY — Diploma/Certificate

CURRICULUM DESCRIPTION

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

WELDING TECHNOLOGY
CERTIFICATE
C50420

Fall Semester		Lec/	Lab/	Crd
WLD 110	Cutting Processes	1	3	2
WLD 115	SMAW (Stick) Plate	2	9	5
		3	12	7
Spring Semester				
WLD 121	GMAW (MIG) FCAW/Plate	2	6	4
Summer Semester				
WLD 141	Symb and Spec	2	2	3
WLD 131	GTAW (TIG) Plate	2	6	4
		4	8	7
	Total Credit Hours			**18**

WELDING TECHNOLOGY
DIPLOMA
D50420

Fall Semester		Lec/	Lab/	Crd
WLD 110	Cutting Processes	1	3	2
WLD 115	SMAW (Stick) Plate	2	9	5
MAT 115	Mathematical Models	2	2	3
BPR 111	Blueprint Reading	1	2	2
ACA 111	College Student Success	1	0	1
		7	16	13
Spring Semester				
WLD 121	GMAW (MIG) FCAW/Plate	2	6	4
WLD 116	SMAW (Stick) Plate/Pipe	1	9	4
MEC 142	Physical Metallurgy	1	2	2
BPR 121	Blueprint Reading: Mechanical	1	2	2
ENG 101	App. Communications I (or ENG 111)	3	0	3
		8	19	15
Summer Semester				
WLD 141	Symbols and Specifications	2	2	3
WLD 131	GTAW (TIG) Plate	2	6	4
WLD 261	Certification Practices (or COE)	1	3	2
		5	11	9
	Total Credit Hours			**37**